

Service Manual

ViewSonic VA1616W-6

Model No. VS12018

16" Color TFT LCD Display

(Manufacture date: NOV. 2008)

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Product disposal at end of product life

The lamp in this product contains mercury. Please dispose of in accordance with local, state or federal laws.

Revision History

Revision	SM Editing Date	ECR Number	Description of Changes	Editor
A01	NOV. 08		Initial Release	
			T67MRHDD2WV3N2	
			T67MRHDD2WVSNNND	

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1. Precautions and Safety Notices

1.1 safety precautions

This monitor is manufactured and tested on a ground principle that a user's safety comes first. However, improper use or installation may cause damage to the monitor as well as the user. Carefully go over the following WARNINGS before installing and keep this guide handy.

WARNINGS

This monitor should be operated only at the correct power sources indicated on the label on the rear end of the monitor. If you're unsure of the power supply in your residence, consult your local dealer or power company.

Use only the special power adapter that comes with this monitor for power input.

Do not try to repair the monitor yourself as it contains no user-serviceable parts. This monitor should only be repaired by a qualified technician.

Do not remove the monitor cabinet. There is high-voltage parts inside that may cause electric shock to human bodies, even when the power cord is unplugged.

Stop using the monitor if the cabinet is damaged. Have it checked by a service technician.

Put your monitor only in a clean, dry environment. If it gets wet, unplug the power cable immediately and consult your service technician.

Always unplug the monitor before cleaning it. Clean the cabinet with a clean, dry cloth. Apply non-ammonia based cleaner onto the cloth, not directly onto the glass screen.

Keep the monitor away from magnetic objects, motors, TV sets, and transformer.

Do not place heavy objects on the monitor or power cord.

1.2 Product safety notice

Many electrical and mechanical parts in this chassis have special safety visual inspections and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltages, wattage, etc. Before replacing any of these components read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

1.3 Service notes

When replacing parts or circuit boards, clamp the lead wires around terminals before soldering.

When replacing a high wattage resistor (more than 1W of metal oxide film resistor) in circuit board, keep the resistor about 5mm away from circuit board.

Keep wires away from high voltage, high temperature components and sharp edges.

Keep wires in their original position so as to reduce interference.

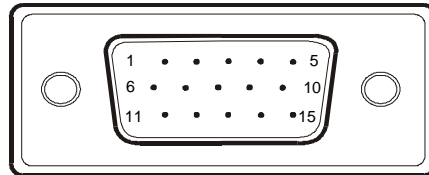
Usage of this product please refer to also user's manual.

2. Specification

2.1 Product specifications

Product Name	VA1616w
Oracle P/N	VA1616W-6
Model Number	VS12018
OSD Languages: 11	English, French, German, Italian, Spanish, Finnish, Japanese, Russian Simplified Chinese, Traditional Chinese, Korean
TFT LCD Panel and Model #	1 st panel: CMO A156B1
Scalar	MST TSUM1PFR-LF
Input Signal	Analog x1
Sync Compatibility	Separate Sync
Adapter	Internal Power Board
Power Cable	Yes, refer to APPENDIX B: Power Cable
Analog Cable (1.8 m, black), with PC 2001 and Hot Plug Detect &DDC	Yes (Detached cable; refer the Appendix A)
DVI-D Cable(1.8m, black) with PC 2001	No
Audio Cable(1.8m, black) with PC 2001	No
MIC Cable(1.8m, black) with PC 2001	No
USB Cable (V2.0)	No
ViewSonic CD Wizard	Arabic, English, Finnish, Spanish, German, Italian, Japanese, Swedish, Polish, Korean, Portuguese, Russian, Turkish, French, Czech, Hungarian, Simplified Chinese, Traditional Chinese. Greek, Dutch, Bulgarian, Croatian, Romanian, Serbian, Slovak, Slovenian
ViewSonic Quick Start Guide	One Page
Perfect Suite CD	No
Screen Protector Mylar	Yes
Foot Protector plastic	No
Base assembly Procedure Card	Yes
Energy start sticker	Yes
Vista Install Card	Yes
DCR Sticker	For Region code = G /P/E units only
Service Insert	For Region code = M units only
Warranty Card	For Region code = G units only
Carton Sticker	For Region code = G units only
PE bag of Carton	N/A
Manufacture address sticker	For Region code = G units only

2.2 Interface description

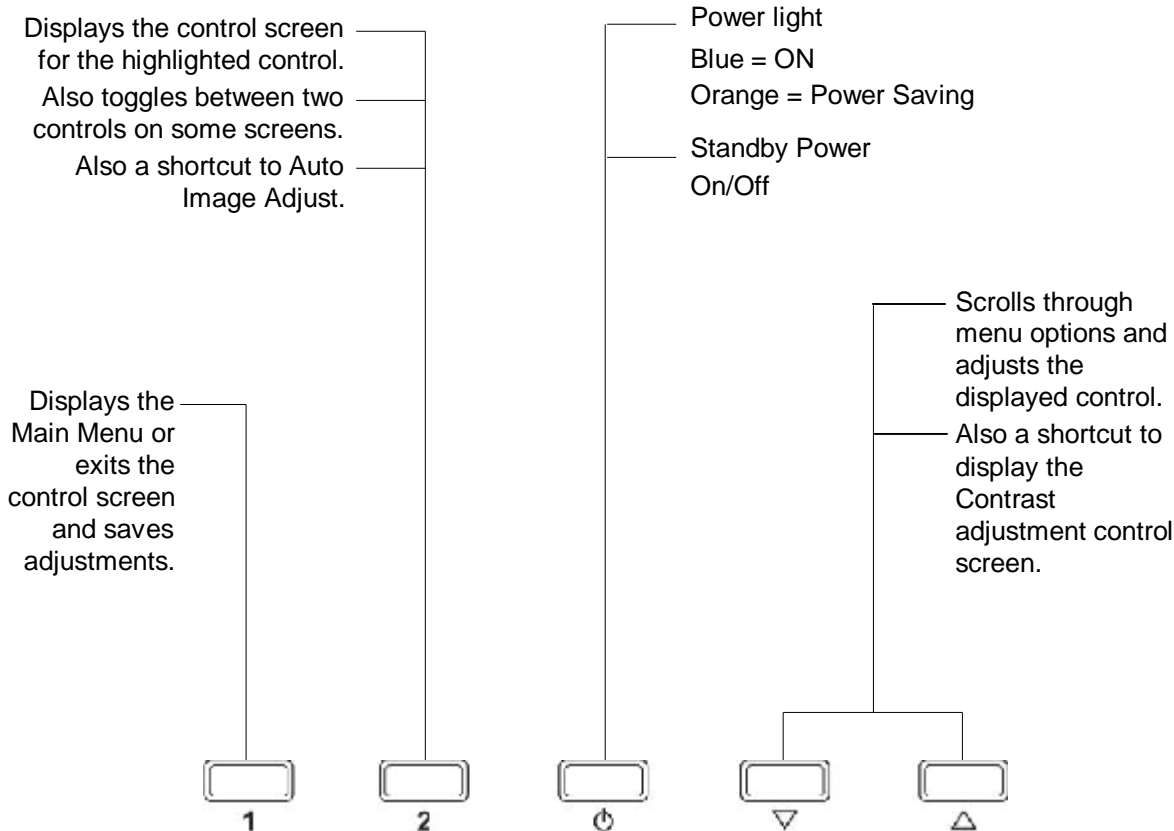
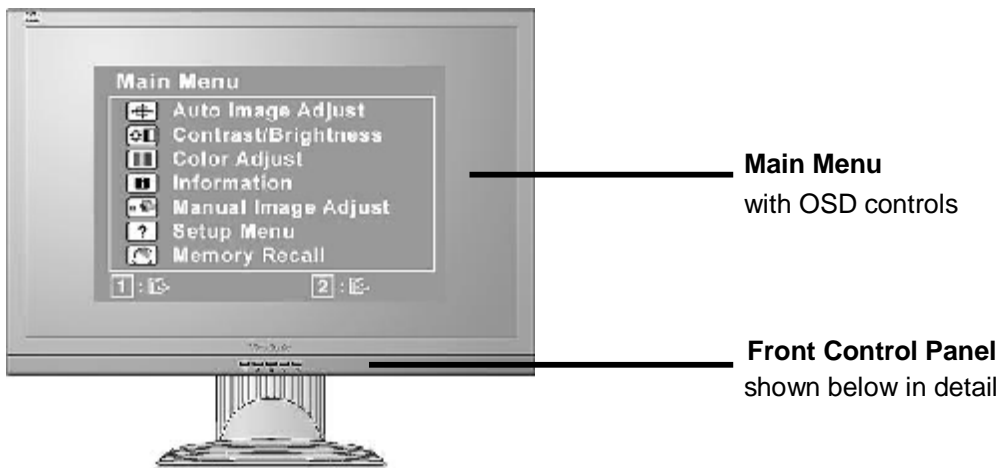


D-SUB connector pin assignment

Pin Number	Pin Function
1	Red video input
2	Green video input
3	Blue video input
4	No Connection
5	Ground
6	Red video ground
7	Green video ground
8	Blue video ground
9	+5V
10	H/V sync ground
11	No connection
12	(SDA)
13	Horizontal sync (Composite sync)
14	Vertical sync
15	(SCL)

3. Front Panel Function Control Description

“Main Menu Controls”



Do the following to adjust the display setting:

1. To display the Main Menu, press button [1].



NOTE: All OSD menus and adjustment screens disappear automatically after about 15 seconds. This is adjustable through the OSD timeout setting in the setup menu.

2. To select a control to adjust, press or to scroll up or down in the Main Menu.
3. After the desired control is selected, press button [2]. A control screen like the one shown below appears.



The line at the bottom of the screen shows the current functions of buttons 1 and 2: Exit or select the Brightness control.





4. To adjust the control, press the up or down buttons.
5. To save the adjustments and exit the menu, press button [1] *twice*.

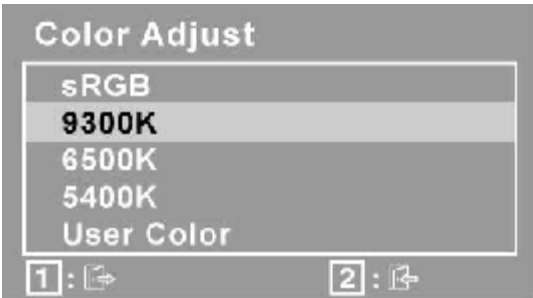
The following tips may help you optimize your display:

- Adjust the computer's graphics card so that it outputs a 1366 x 768 @ 60Hz video signal to the LCD display. (Look for instructions on "changing the refresh rate" in the graphics card's user guide.)
- If necessary, make small adjustments using H. POSITION and V. POSITION until the screen image is completely visible. (The black border around the edge of the screen should barely touch the illuminated "active area" of the LCD display.)

Main Menu Controls

Adjust the menu items shown below by using the up and down buttons.

Control	Explanation
	<p>Auto Image Adjust automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion. Press the [2] button to obtain a sharper image.</p> <p>NOTE: Auto Image Adjust works with most common video cards. If this function does not work on your LCD display, then lower the video refresh rate to 60 Hz and set the resolution to its pre-set value.</p>
	<p>Contrast adjusts the difference between the image background (black level) and the foreground (white level).</p>
	<p>Brightness adjusts background black level of the screen image.</p>
	<p>Color Adjust provides several color adjustment modes, including preset color temperatures and a User Color mode which allows independent adjustment of red (R), green (G), and blue (B). The factory setting for this product is 6500K (6500 Kelvin).</p>



sRGB-This is quickly becoming the industry standard for color management, with support being included in many of the latest applications. Enabling this setting allows the LCD display to more accurately display colors the way they were originally intended. Enabling the sRGB setting will cause the Contrast and Brightness adjustments to be disabled.

9300K-Adds blue to the screen image for cooler white (used in most office settings with fluorescent lighting).

6500K-Adds red to the screen image for warmer white and richer red.

5400K-Adds green to the screen image for a darker color.

User Color Individual adjustments for red (R), green (G), and blue (B).

1. To select color (R, G or B) press button [2].

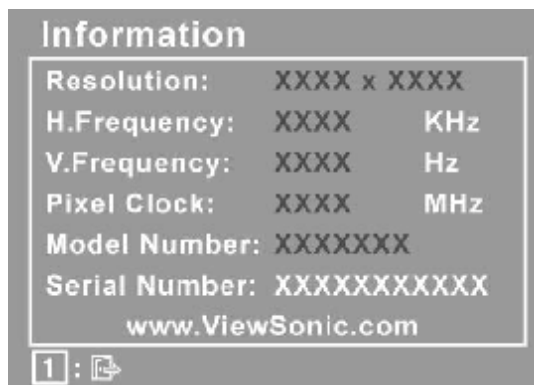
2. To adjust selected color, press and .

Important: If you select RECALL from the Main Menu when the product is set to a Preset Timing Mode, colors return to the 6500K factory preset.

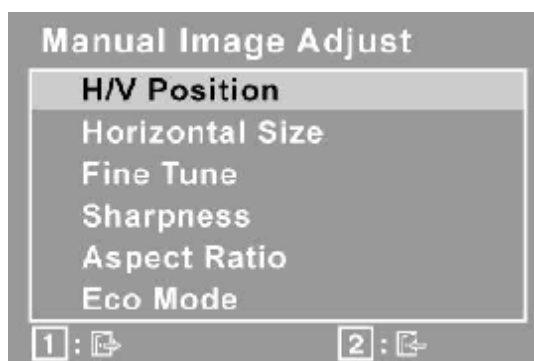


Information displays the timing mode (video signal input) coming from the graphics card in the computer, the LCD model number, the serial number, and the ViewSonic® website URL. See your graphics card's user guide for instructions on changing the resolution and refresh rate (vertical frequency).

NOTE: VESA 1366 x 768 @ 60Hz (recommended) means that the resolution is 1366 x 768 and the refresh rate is 60 Hertz.



Manual Image Adjust displays the Manual Image Adjust menu.



H./V. Position (Horizontal/Vertical Position) moves the screen image left or right and up or down.

H. Size (Horizontal Size) adjusts the width of the screen image.

Fine Tune sharpens the focus by aligning text and/or graphics with pixel boundaries.

NOTE: Try Auto Image Adjust first.

Sharpness adjusts the clarity and focus of the screen image.

Aspect ratio Selects the image size for 4:3 and full screen.

ECO Mode provides the lower power consumption by reducing the brightness.

Standard: The default brightness setting

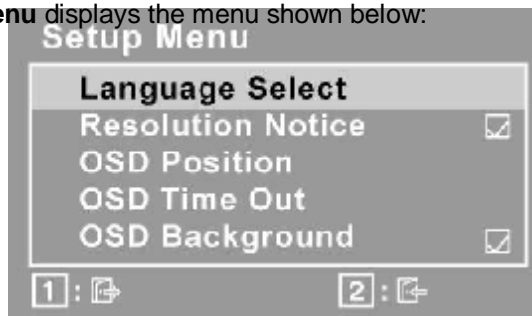
Optimize: Decreases the brightness by 25 %

Conserve: Decreases the brightness by 50 %

NOTE: When the ECO Mode is set to "Optimize" or "Conserve", the Brightness, Contrast, and Dynamic Contrast cannot be adjusted.

Control	Explanation
----------------	--------------------

Setup Menu displays the menu shown below:



Language Select allows the user to choose the language used in the menus and control screens.

Resolution Notice advises the optimal resolution to use.

OSD Position allows the user to move the OSD menus and control screens.


OSD Timeout sets the length of time the OSD screen is displayed. For example, with a “15 second” setting, if a control is not pushed within 15 seconds, the display screen disappears.

OSD Background allows the user to turn the OSD background On or Off.

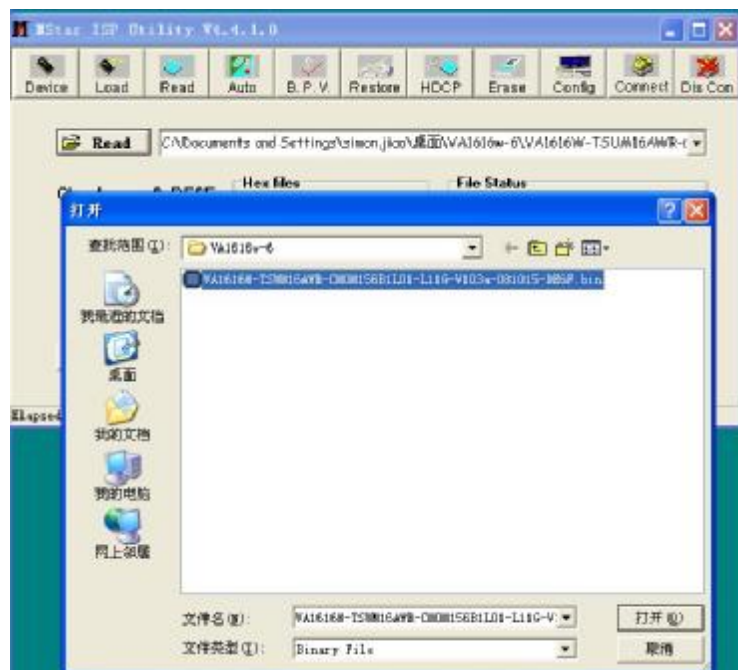
Memory Recall returns the adjustments back to factory settings if the display is operating in a factory Preset Timing Mode listed in the Specifications of this manual.



Exception: This control does not affect changes made with the User Color control, Language Select or Power Lock setting.

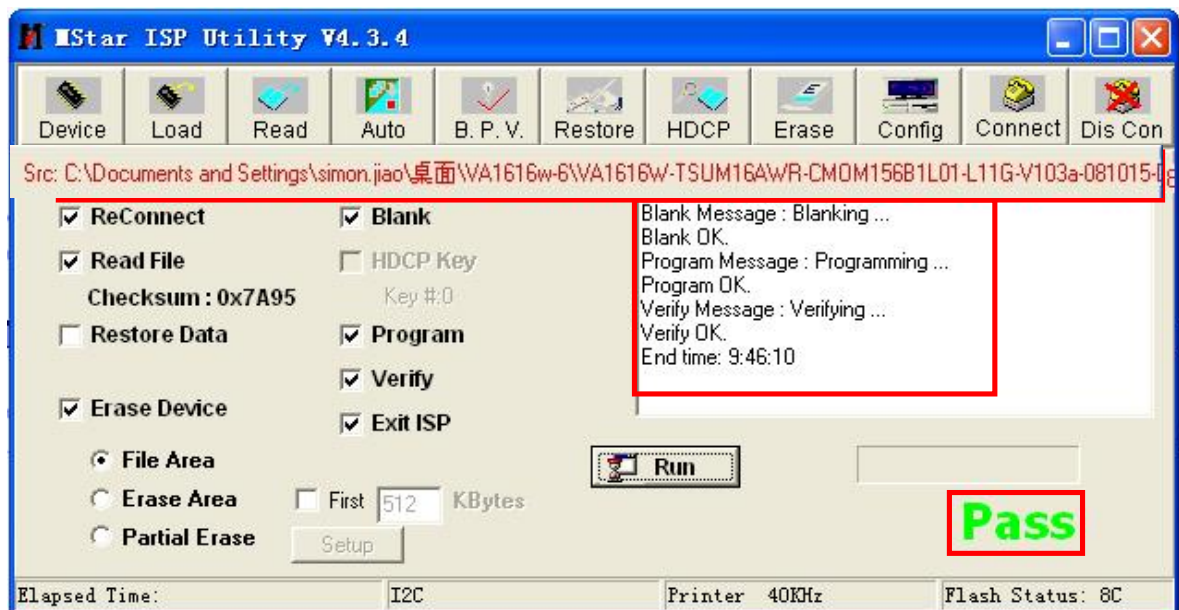


b. Select sure, Click  icon, search the program

"VA1616W-TSUM16AWR-CMOM156B1L01-L11G-V103a-081015-DE6F.bin" and click save:



C. Click  icon, then click . If it burns successfully, it will show as the follow picture:



DDC Instruction

1 General

DDC Data Re-programming

In case the main EEPROM with Software DDC which store all factory settings were replaced because a defect, repaired monitor' the serial numbers have to be re-programmed.

It is advised to re- soldered the main EEPROM with Software DDC from the old board onto the new board if circuit board have been replaced, in this case the DDC data does not need to be re-programmed.

Additional information about DDC (Display Data Channel) may be obtained from Video Electronics Standards Association (VESA). Extended Display Identification Data (EDID) information may be also obtained from VESA.

1. An i486 (or above) personal computer or compatible.
2. Microsoft operation system Windows 95/98/2000/XP.
3. "PORT95NT.exe, WinDDC_ setup" program.
4. Software OSD SN Alignment kits

The kit contents:

- a) OSD SN BOARD x1
- b) Printer cablex1
- c) VGA cable x1
- d) Digital cable x1
- e) 12V DC power source

2 Connect the DDC board



When you write analog EDID, Connect this port to the VA1616W-6' VGA port

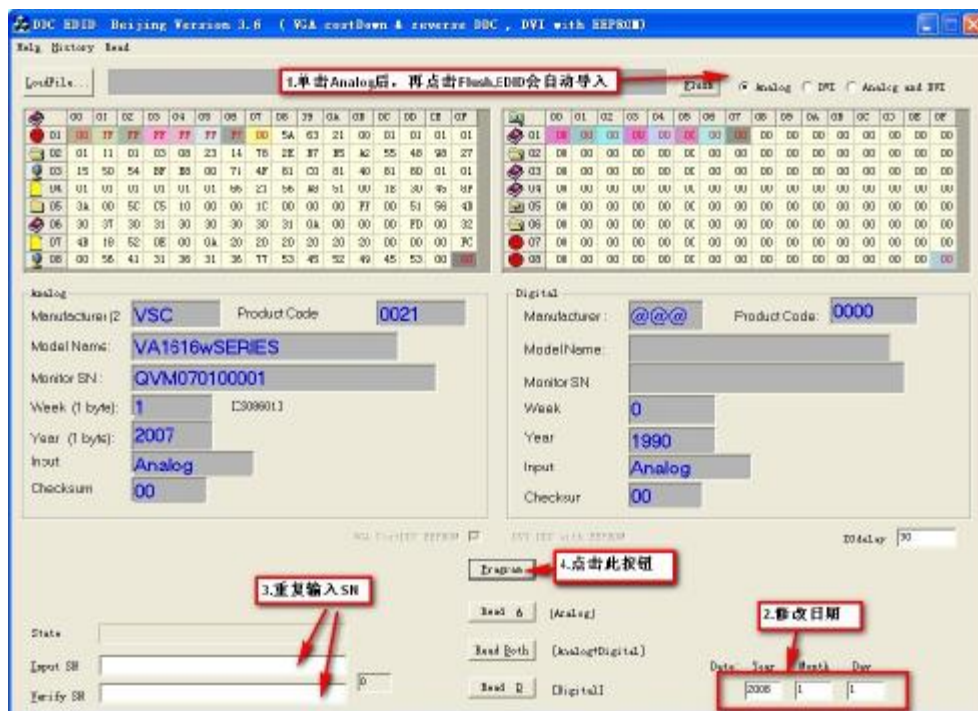
1Connect to the

Connect to the PC LPT

3 The process of analog DDC write is as follow:



Double-click , appear as follow Figs :



Press “program”,it will show “PASS”,it means download OK.

Note: The way of digital DDC write is the same as analog DDC write.

5. Adjustment Procedure

1. All Modes Reset

You should do "All Model Reset" (Refer to Chap 3. Hot Keys for Function Controls) first. This action will allow you to erase all end-user's settings and restore the factory defaults.

2. Auto Image Adjust

The Auto Adjust is aimed to offer a best screen quality by built-in ASIC. For optimum screen quality, the user has to adjust each function manually.

A. Turn the computer and LCD monitor on.

B. Press the '**Auto**' button on monitor keypad to Auto Adjust.

C. The LCD monitor will start the Auto Adjust process automatically and run for 10 consecutive seconds, during which time you will notice the image change.

3. Firmware

Test Patten: Burn in Model (Refer to Chap3. Hot Keys for Function Control)

-Make sure the F/W is the latest version.

4. DCC

Test Patten: EDID program

-Make sure it can pass test program.

5. Window Shut Down

Test Signal: 1280*1024@60Hz

Test Pattern:



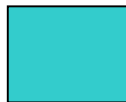
Checkered Pattern Every One Pixel (50%Green & 50%Blue)

Inspection Item: Flicker, Mura

6. Window BG

Test Signal: 1280*1024@60Hz

Test Pattern:



Window standard pattern

Inspection Item: Line Defect, Function Defect & Mura

7. 25 Gray

Test Signal: 1280*1024@60Hz

Test Pattern:



Full Screen 25% White (Gray)

Inspection Item: Particle, Line Defect & Mura

8. 50 Gray

Test Signal: 1280*1024@60Hz

Test Pattern:



Full Screen 50% White (Gray)

Inspection Item: Bright Dot, Particle, Line Defect & Mura

9. White Box

Test Signal: 1280*1024@60Hz

Test Pattern:



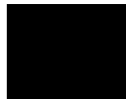
Window standard pattern

Inspection Item: Particle, Line Defect, Power, Image Remain & Mura

10. Black Box

Test Signal: 1280*1024@60Hz

Test Pattern:



Window standard pattern

Inspection Item: Bright Dot, Line Defect & Power

11. RED

Test Signal: 1280*1024@60Hz

Test Pattern:



Full Screen Red

Inspection Item: Bright Dot, Partial & Line Defect

12. Green

Test Signal: 1280*1024@60Hz

Test Pattern:



Full Screen Green

Inspection Item: Bright Dot, Partial & Line Defect

13. Blue

Test Signal: 1280*1024@60Hz

Test Pattern:



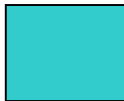
Full Screen Green

Inspection Item: Bright Dot, Partial & Line Defect

14. Gray_Scale_0-100_V64

Test Signal: 1280*1024@60Hz

Test Pattern:



Vertical 64 (256) Gray Scale (Right → Left , From 0 to 100% White)

Inspection Item: Line Defect & Function Defect

15. Function Test Display pattern

Item	Pattern	Description	Remark
1	Gray_Scale_0-100_V	Vertical 64 (256) Gray Scale (右→左 , From 0 to 100% White)	Figure 1
2	Gray_Scale_0-100_H	Horizontal 64 (256) Gray Scale (上→下 , From 0 to 100% White)	Figure 2
3	Black	Full Screen Black	Figure 3
4	Red	Full Screen 50% Red	Figure 4
5	Green	Full Screen 50% Green	Figure 5
6	Blue	Full Screen 50% Blue	Figure6
7	White	Full Screen White	Figure7
8	Black_Tile	Black Tile Under White Background	Figure 8

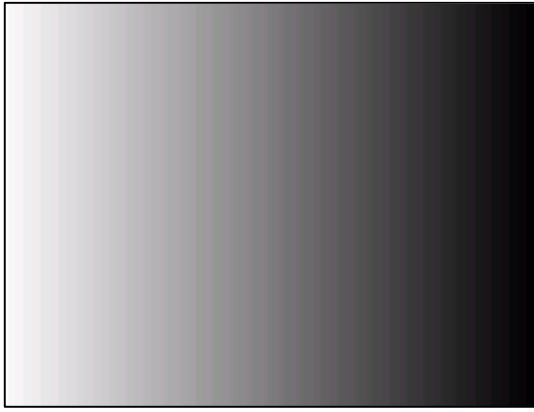


Figure 1



Figure 2

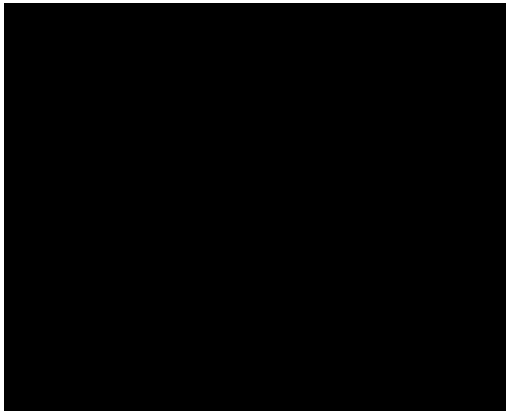


Figure 3



Figure 4

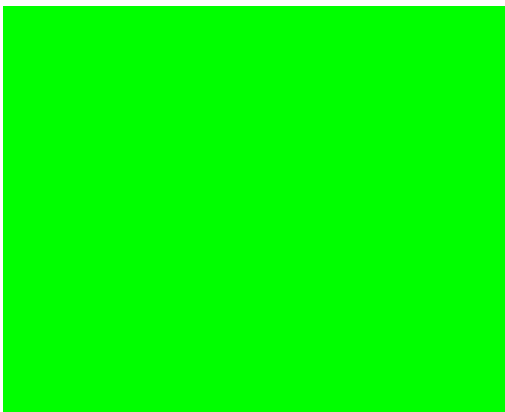


Figure 5



Figure 6

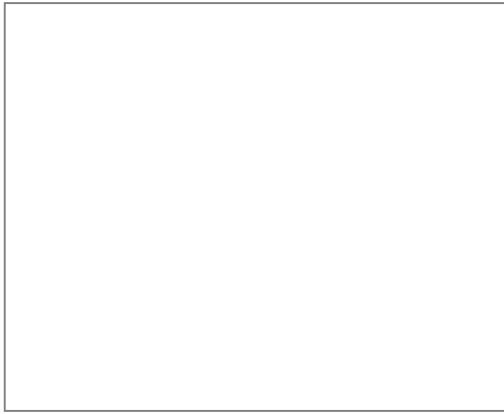


Figure 7

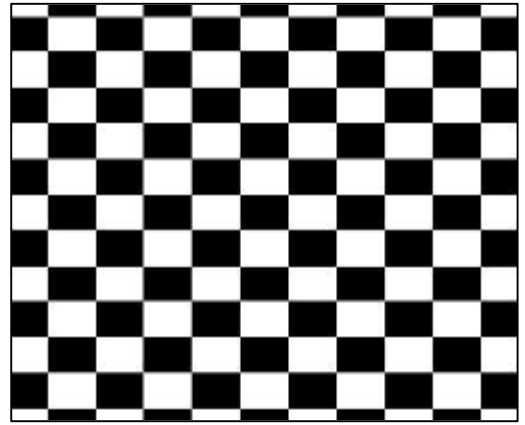
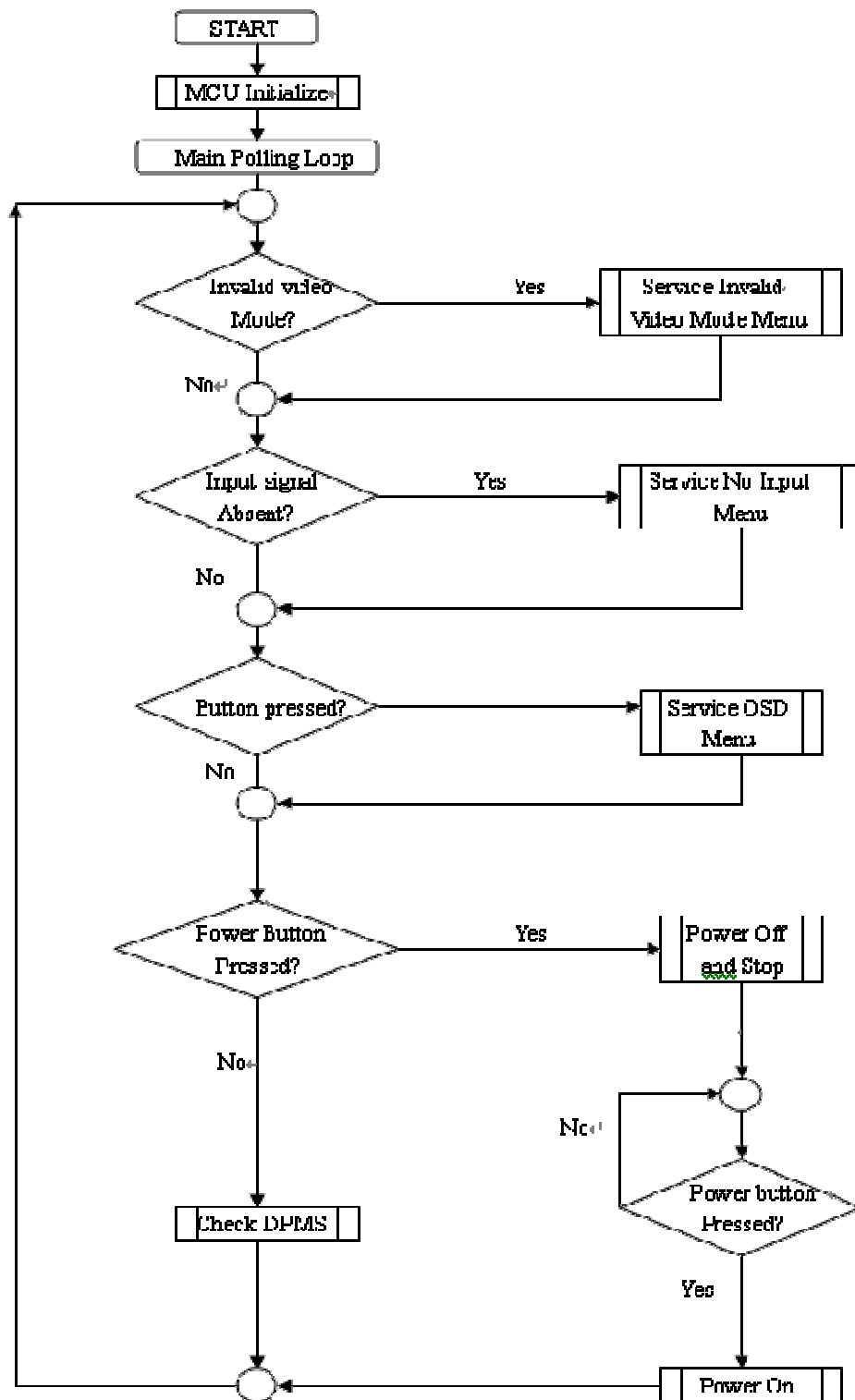


Figure 8

Factory Defaults

Item	Defaults	Item	Defaults
Contrast	70%	Input Priority	N/A
Brightness	100%	Resolution Notice	On
Color Temperature	6500K	Volume	N/A
Sharpness	100%	Balance	N/A
OSD H. Position	50%	Treble	N/A
OSD V. Position	50%	Bass	N/A
OSD Time Out	15	DCR	ON for E / G / P model Off for M model only
OSD Background	On	1280x768 / 1366x768	1366x768
ECO Mode	Standard	720x400 / 640x400	720x400
Aspect Ratio	Full Screen		

6. Troubleshooting Flow Chart



No power

- Make sure power button (or switch) is ON.
- Make sure A/C power cord is securely connected to the LCD display.
- Plug another electrical device (like a radio) into the power outlet to verify that the outlet is supplying proper voltage.

Power is ON but no screen image

- Make sure the video cable supplied with the LCD display is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the LCD display, tightly secure it to the LCD display.
- Adjust brightness and contrast.
- If you are using an Macintosh older than G3, you need a Macintosh adapter.

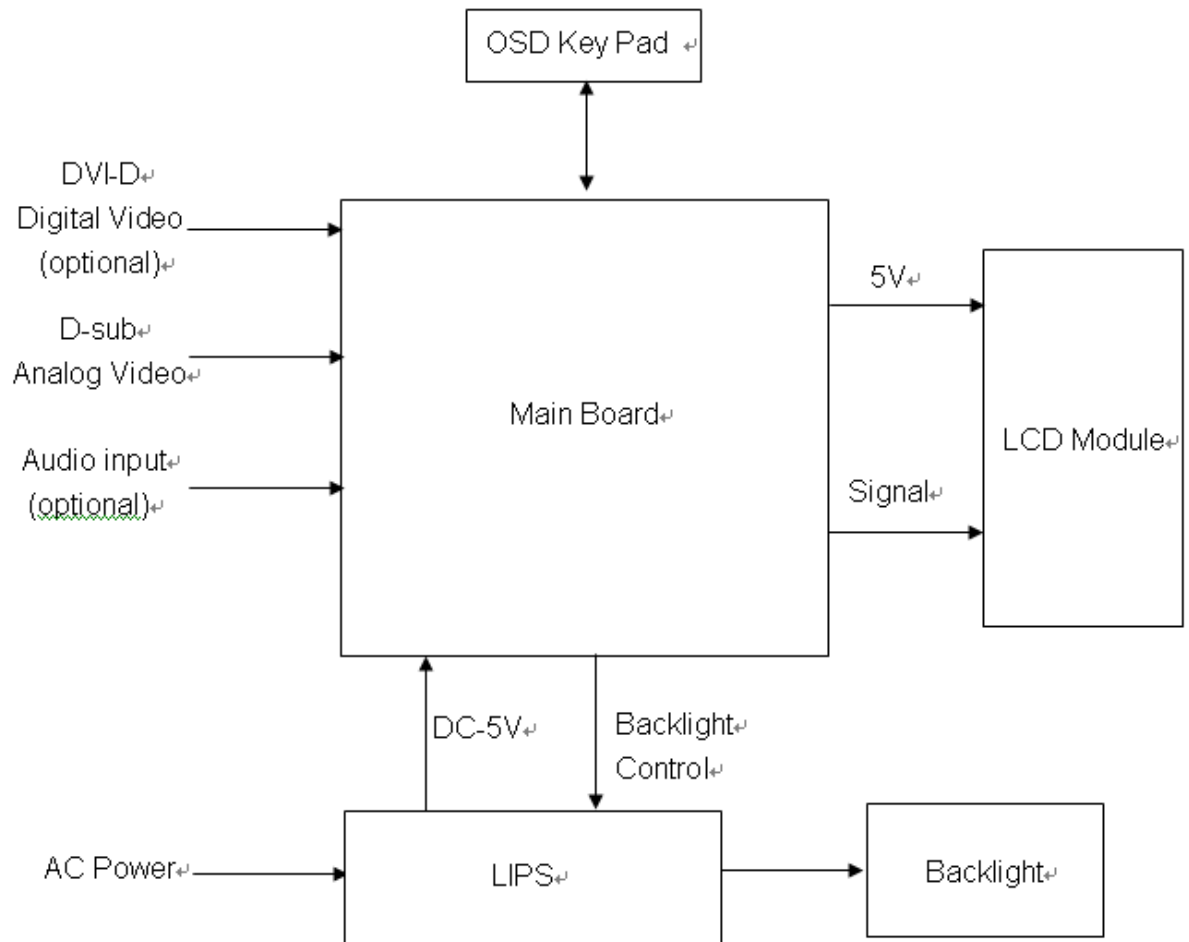
Wrong or abnormal colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the LCD display to another computer.
- If you have an older graphics card, contact ViewSonic® for a non-DDC adapter.

Control buttons do not work

- Press only one button at a time.

7. Block Diagram



8. Schematic Diagrams

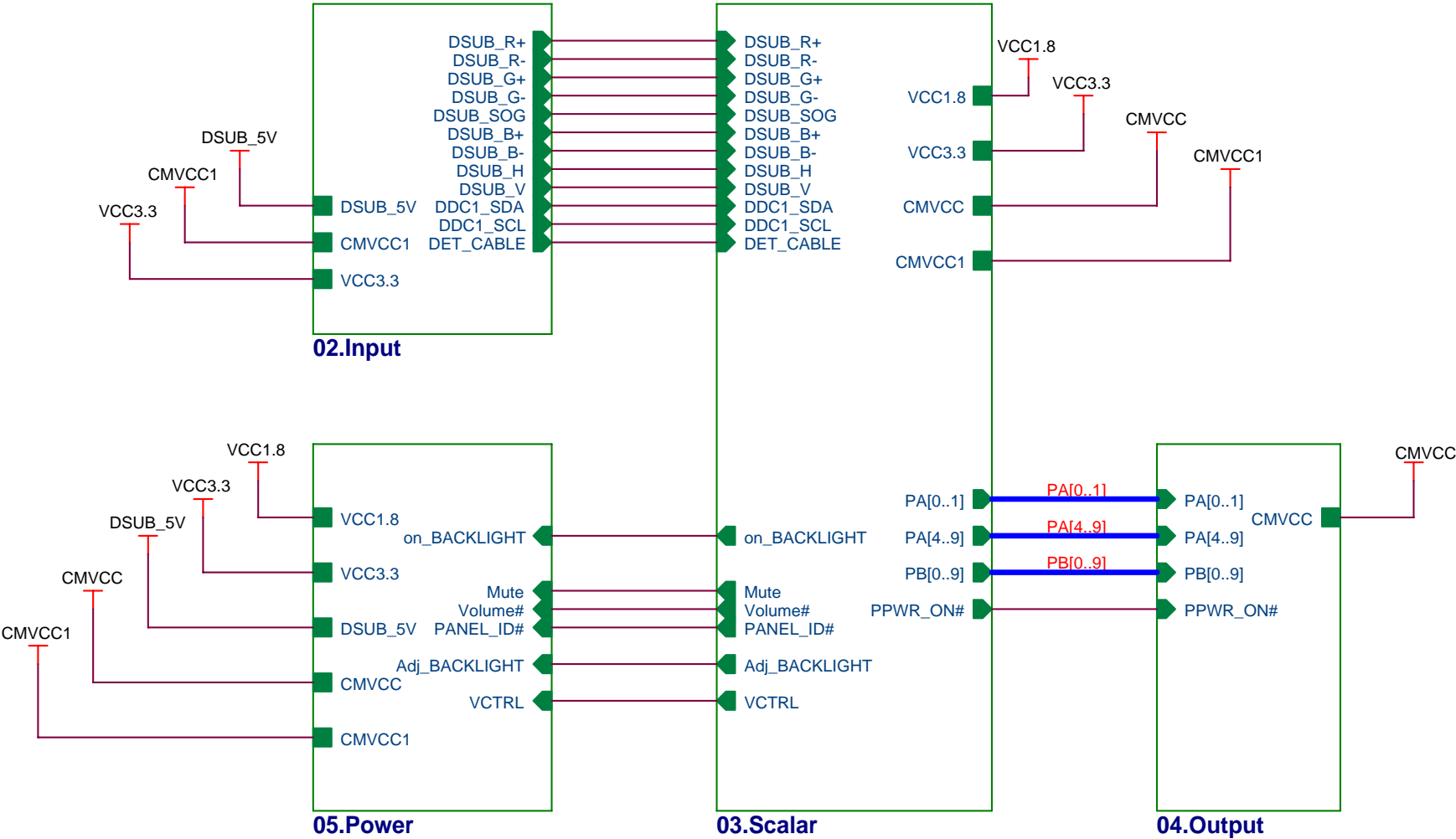
8.1 main board

8.2 power board

TSUM16FWR SCHEMATIC

XGA / SXGA

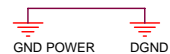
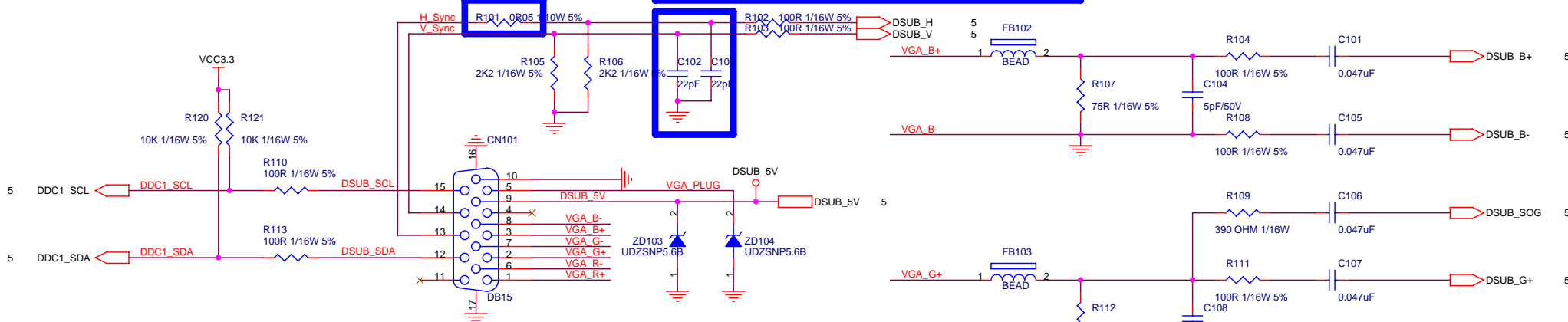
LVDS OUTPUT



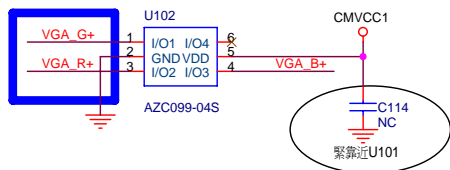
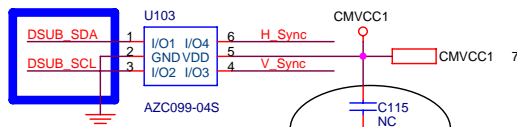
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	AOC Q-series / FSC-AXX-3		Size	A
線路圖編號	G2904-D-X-X-2-071207	TPV MODEL	Q17W		Rev	D
Key Component	01.Top	PCB NAME	715G2904-D		備註	<備註>
Date	Thursday, December 13, 2007	Sheet	3 of 7			

According to NDS's request to change type of R101 from 0402 to 0603.

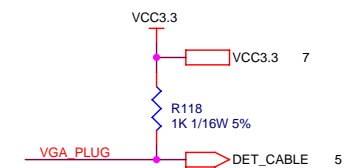
According to NDS's request to move the capacitors(C102, C103).



Swap DSUB_SDA abd DSUB_SCL for ESD GND.

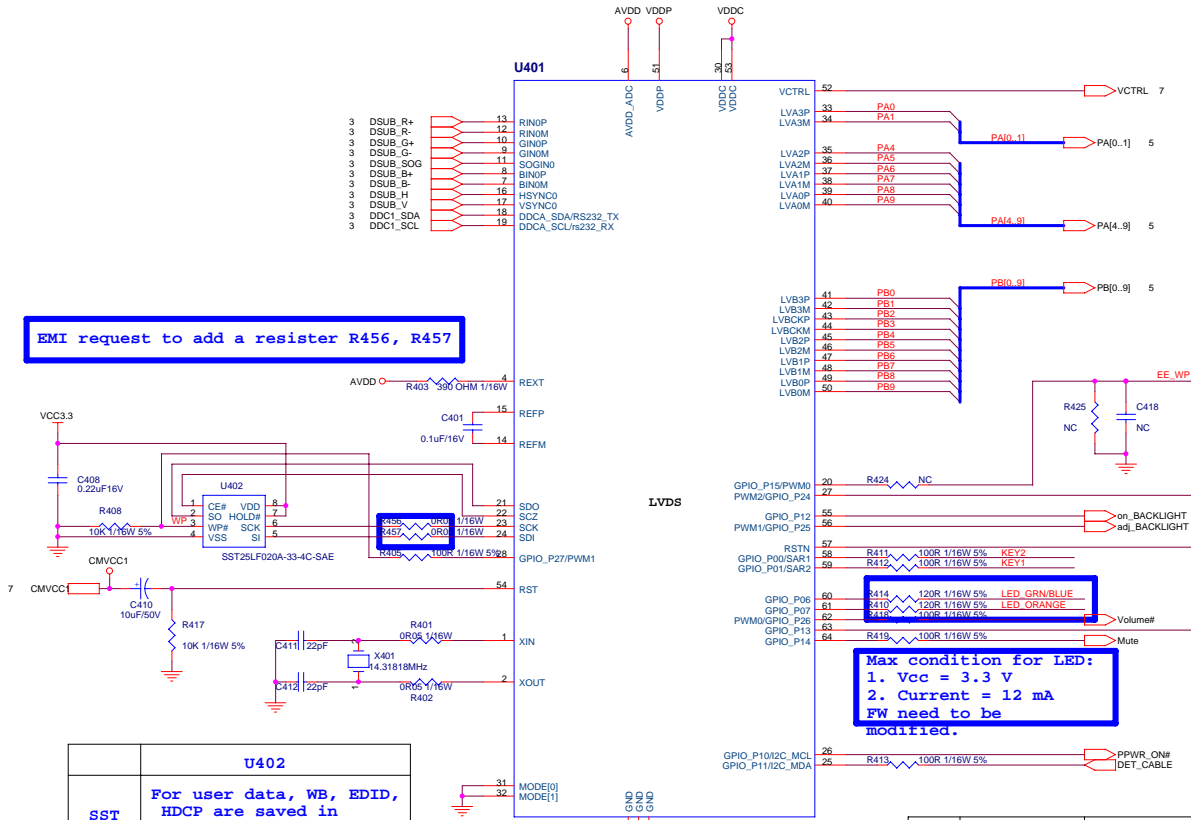


Swap VGA G+ abd VGA R+ for ESD GND.



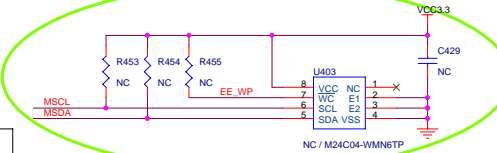
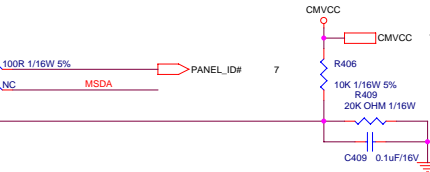
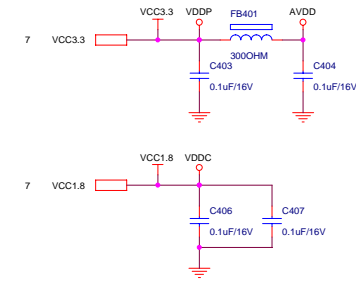
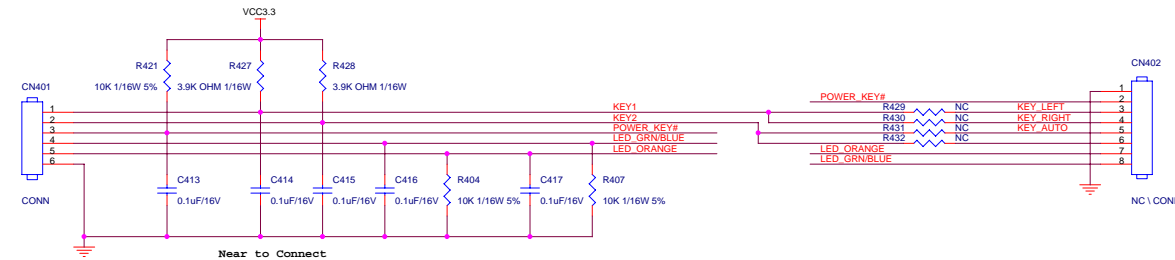
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC Q-series / FSC-AXX-3	Size	B
線路圖編號	G2904-D-X-X-2-071207	TPV MODEL	Q17W	Rev
Key Component	02.Input	PCB NAME	715G2904-D	備註
Date	Thursday, December 13, 2007	Sheet	4 of 7	<備註>

EMI request to add a resistor R456, R457



U402	
SST	For user data, WB, EDID, HDCP are saved in Flash.
U402	
010A	Befor AOC ID2007 OSD
020A	For ID2008

X'TAL		
Normal Function : $CL = C_s + ((C_g * C_d) / (C_g + C_d))$		
P.S : Assume $C_s = 4 \text{ pF}$		
X401	CL of SPEC	Cs and Cd (C411, C412)
加高 (93G 22-53B-H)	18 pF	27 pF
津錠 (93G 22-53-J)	32 pF	56 pF



	For NVRAM	Without NVRAM
U403	M24C04-WMN6TP	NC
C419	0.22uF/16V	NC
R424	100R 1/16W 5%	NC
R451	100R 1/16W 5%	NC
R452	100R 1/16W 5%	NC
R453	10K 1/16W 5%	NC
R454	10K 1/16W 5%	NC
R455	10K 1/16W 5%	NC
R426	NC	NC or 100R 1/16W 5%
R420	NC	NC or 100R 1/16W 5%

When NVRAM is used, POWER_KEY# and PANEL_ID# will not be used at same time.

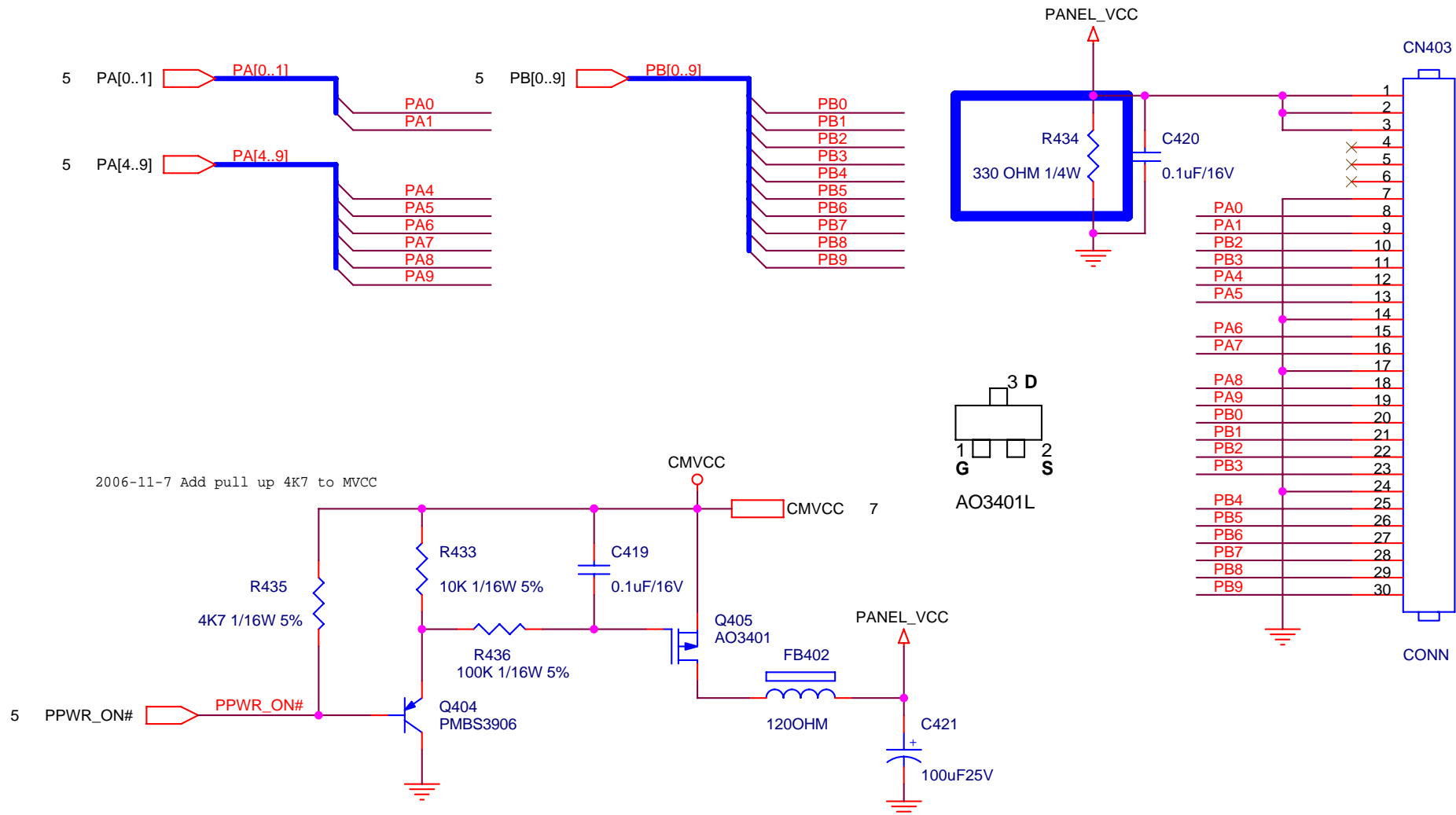
R425, C418 depend on case.

PANEL_ID# and POWER_KEY# could be optional.



TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC Q-series / FSC-AXX-3	Size	C
Key Component	TPV MODEL	G2904-D-X-X-2-071207	Rev	D
Date	PCB NAME	03.Scalar	715G2904-D	備註
Thursday, December 13, 2007	Sheet	5 of 7		<備註>

R434 has to be changed
from 0805 to 1206

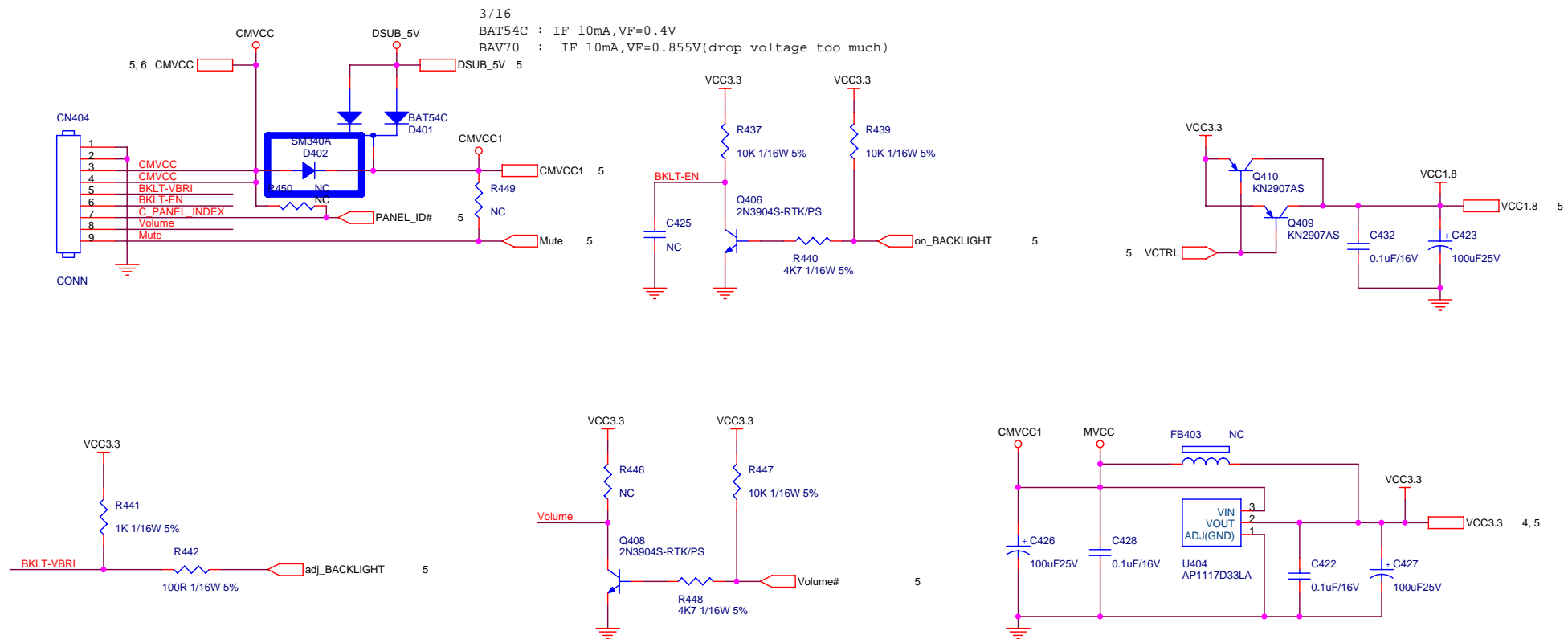


2006-11-7 Add pull up 4K7 to MVCC



T P V (Top Victory Electronics Co. , Ltd.)		OEM MODEL	AOC Q-series / FSC-AXX-3		Size	A
線路圖編號	G2904-D-X-X-2-071207	TPV MODEL	Q17W		Rev	D
Key Component	04.Output	PCB NAME	715G2904-D		備註	<備註>
Date	Friday, December 07, 2007	Sheet	6 of 7			

Due to current limit is too low,
change from 93G1004-3 to 93G3004-3.

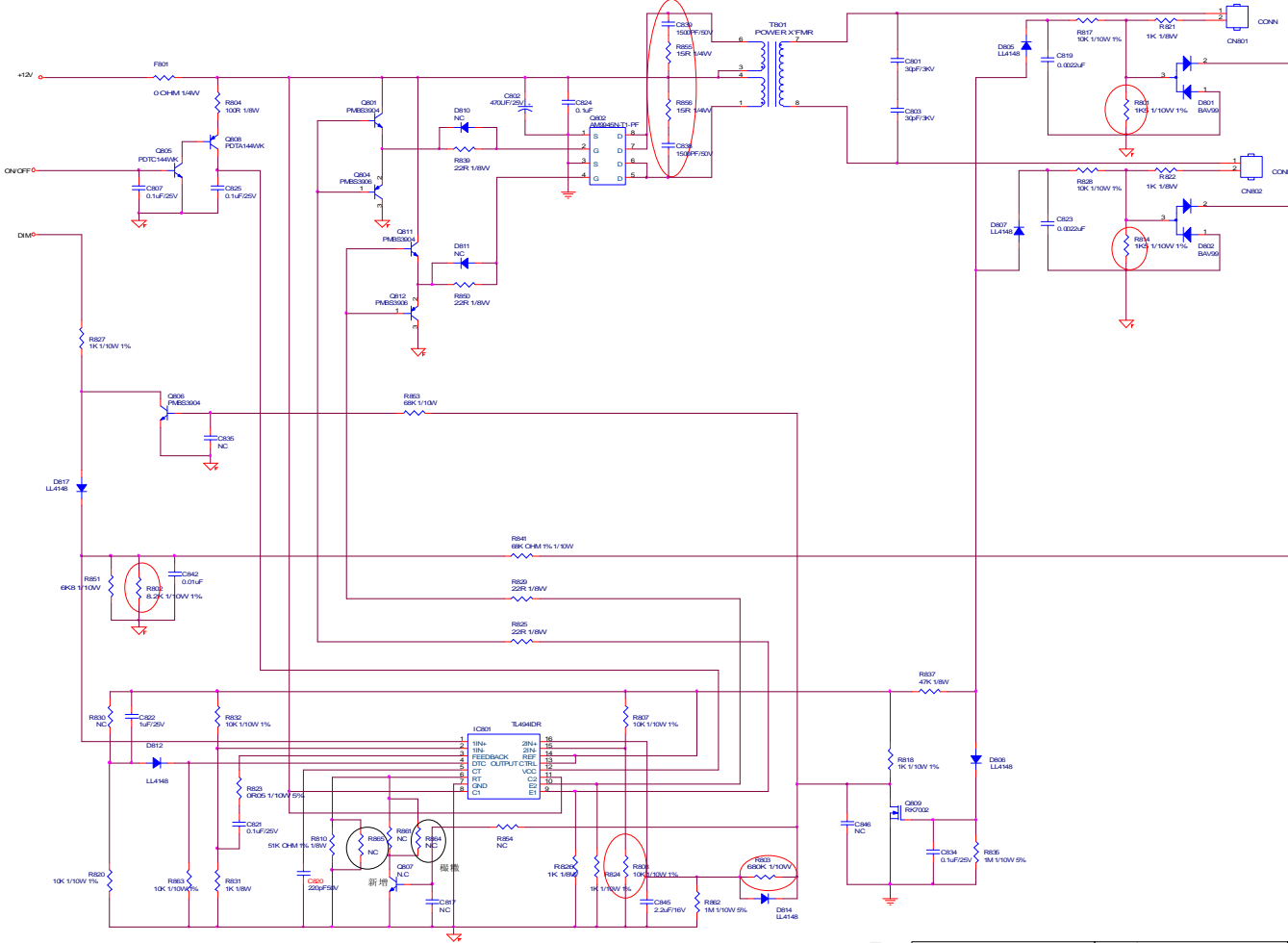


U404 can use package 232 or 252.

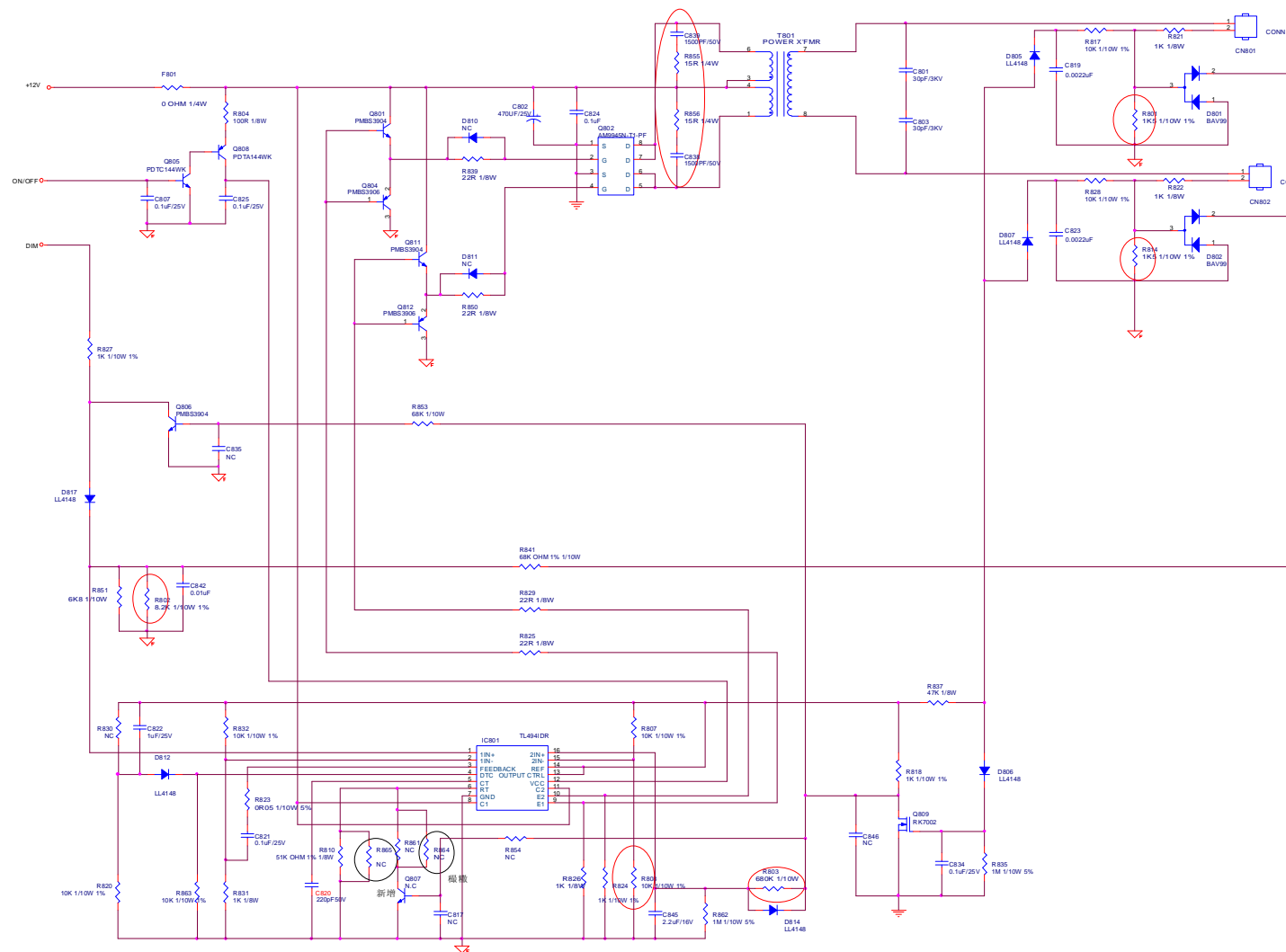


TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	AOC Q-series / FSC-AXX-3	Size	B
線路圖編號	G2904-D-X-X-2-071207	TPV MODEL	Q17W	Rev
Key Component	05.Power	PCB NAME	715G2904-D	備註
Date	Friday, December 07, 2007	Sheet	7 of 7	<備註>

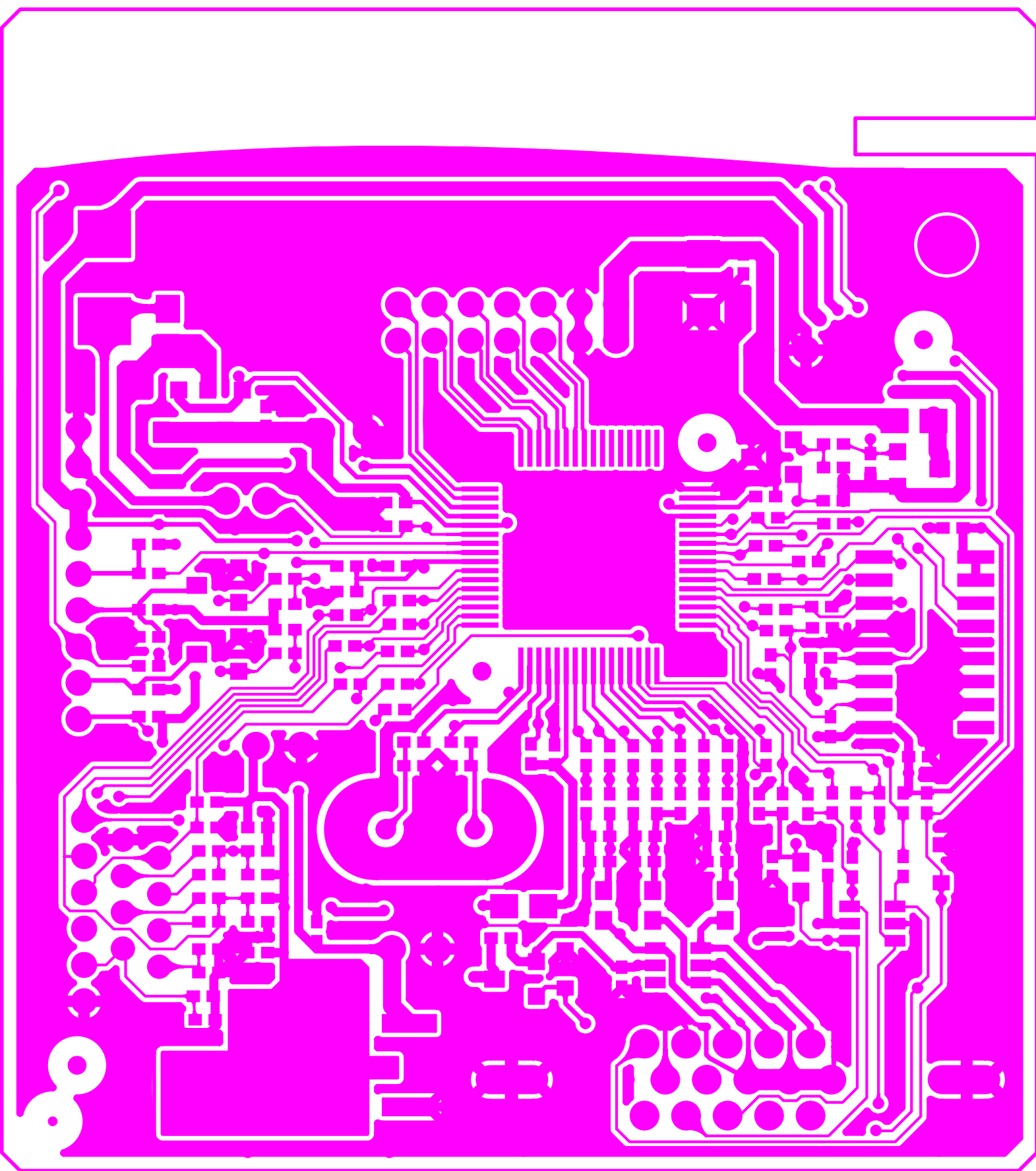
Power

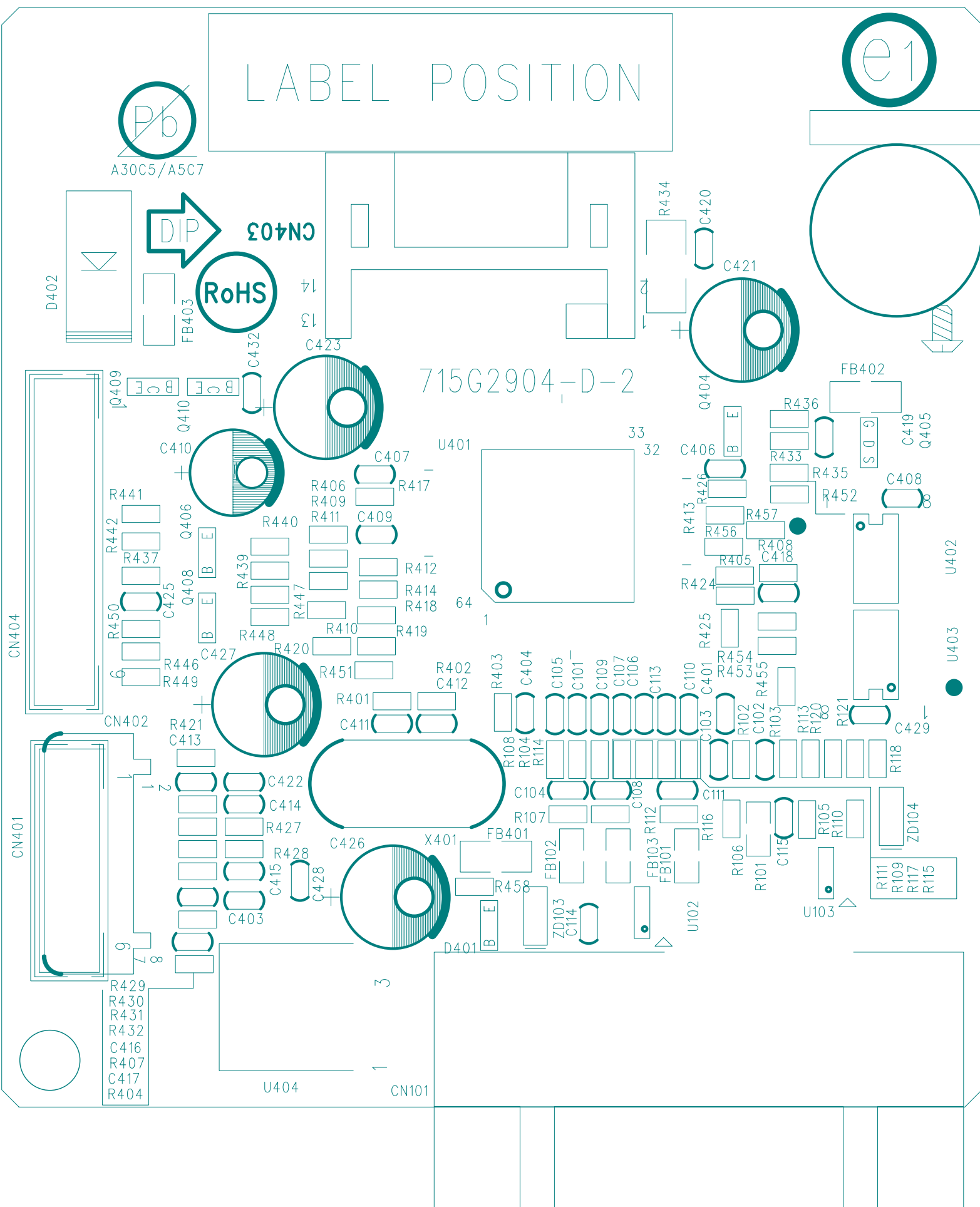


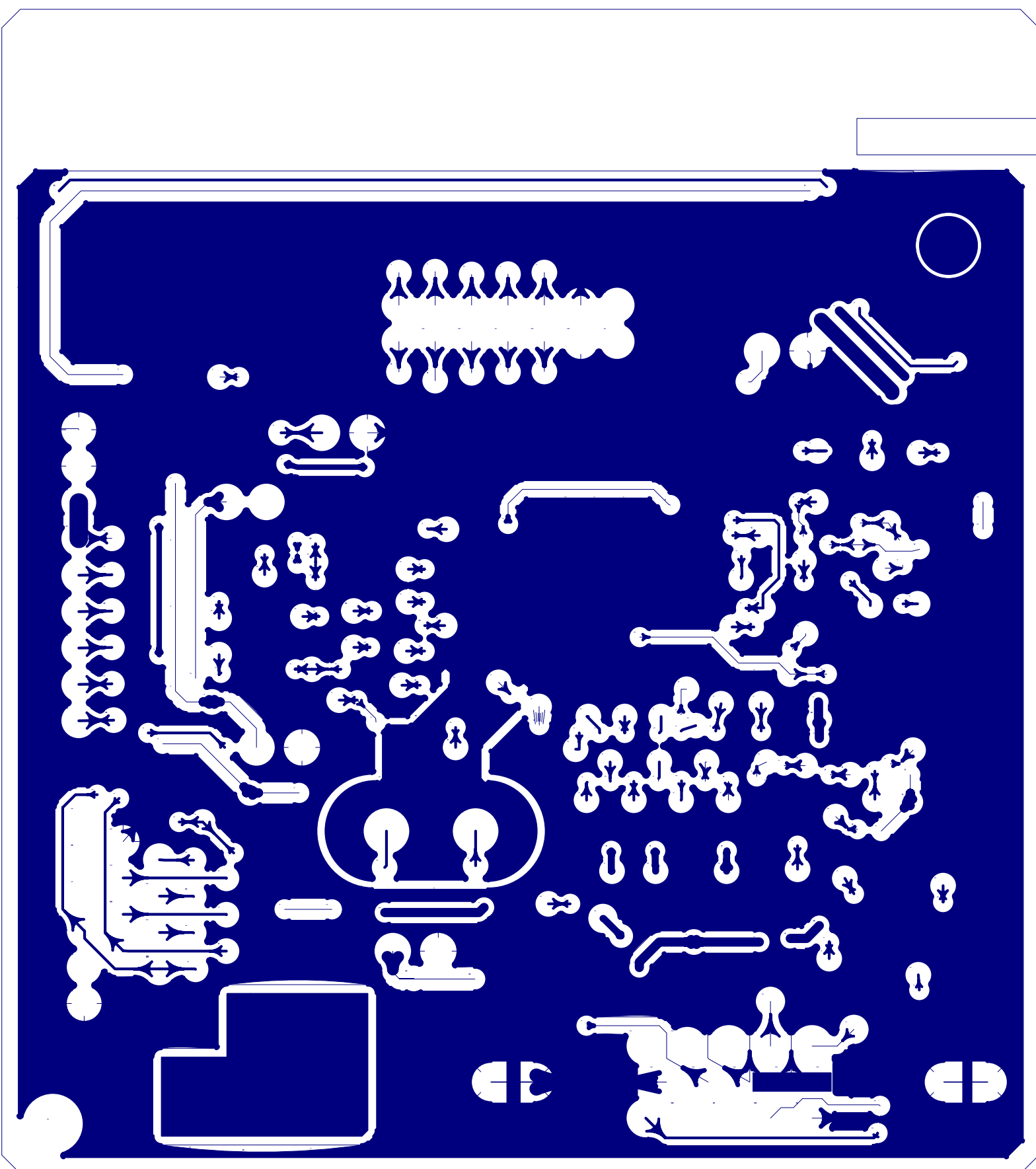
TPV (Top Victory Electronics Co., Ltd.)	OEM MODEL	ASUS VW161	Size	Custom
螢幕型號 G2652-1X-X908218	TPV MODEL	PVPC6521MDD	Rev	1
Key Component 3.1INVERTER	PCB NAME	715C02652-1		
Date Monday, February 18, 2008	Sheet	3 of 3		COM MODEL



TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL	ASUS VW161	Size	Custom
TPV MODEL	G2852-1-X-X-9-080218	TPV MODEL	PWPC8621M000	Rev	1
Key Component	3.INVERTER	PCB NAME	71502862-1	Rev	ODM MODEL
Date	Monday, February 18, 2008	Sheet	3 of 3		



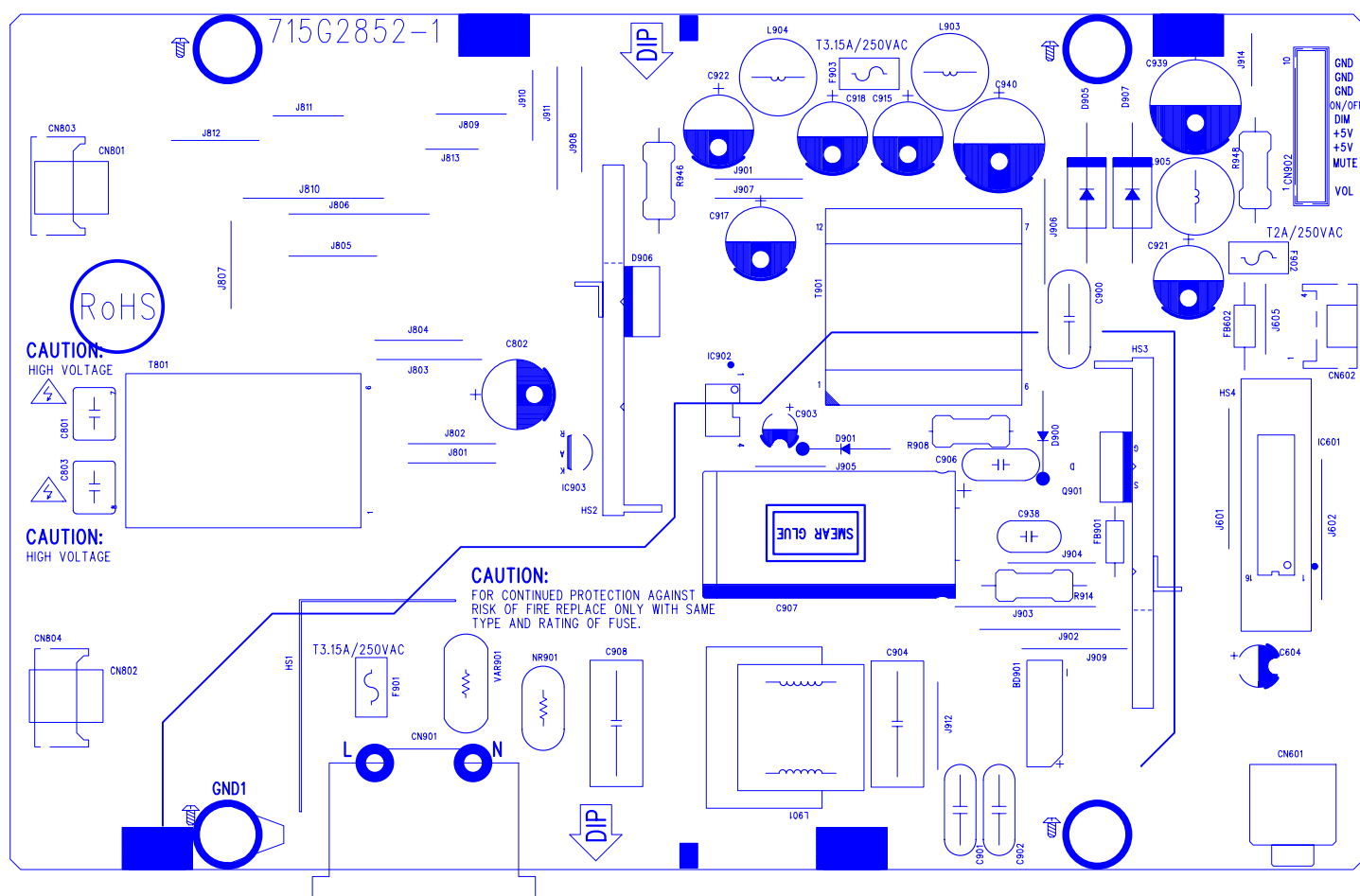




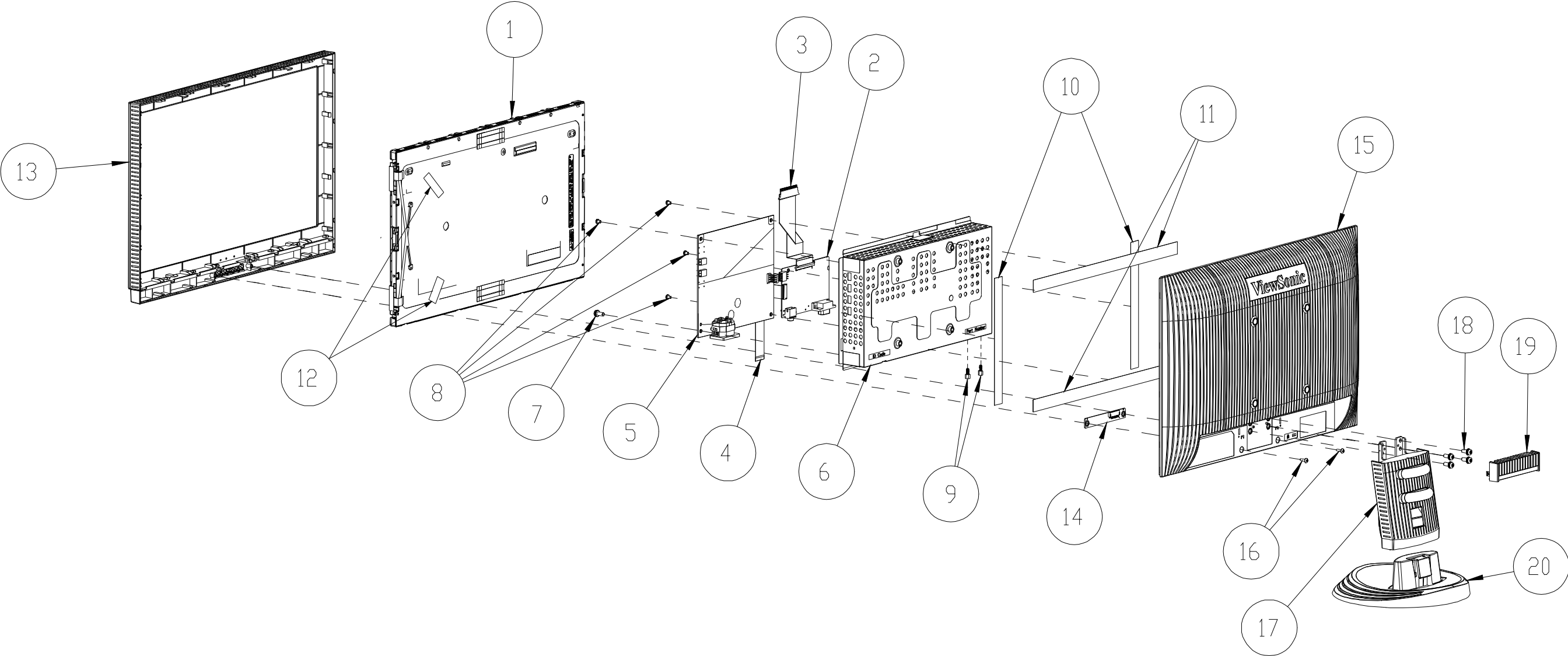


715G2852-1

715G2852-1



10. Exploded Diagram and Exploded Parts List



T67MRHDD2WV2NNN

ViewSonic Model Number:VA1616w-6

Rev:

Item	ViewSonic P/N	Ref. P/N	Description	Q'ty
1		750GLM56KB112C000Q	PANEL A156B1 VSC CMO/SF6B101D01	1
2		CBPC8M5VSQ1	CONVERSION G2904-D-2-VSC-1-080124	1
3		095G8018B3D516	LVDS CABLE	1
4		095G8014 6DN00	WIRE HARNESS 6P(PH)-6P(1253HA HR)	1
5		PWPC8621MQDD	POWER G2852-1-X-X-9-080218	1
6		Q15G0368101	COVER AD	1
7		0M1G1730 6120	SCREW,42-D020523	1
8		0M1G 330 4120	SCREW 42A9930008	4
9		0M1G1740 10120	SCREW 42A9940008	2
10		N52G 1211001 HB	Conductive Tape 155mm *15mm *0.06mm	2
11		N52G 1211022 HB	Conductive Tape 290mm*15mm*0.06mm	2
12		N52G 1VSC006 HB	Conductive Tape 60mm *24mm *0.06mm	2
13		705GN834415 FJ	BEZEL ASS'Y 40-D022539	1
14		KEPC8QS5	KEY BOARD	1
15		N34G0125 ZK 2A FJ	REARCOVER	1
16		0Q1G 130 8120	SCREW 42A9930011	2
17		N34G0132 ZK 1A FJ	STAND REAR 40-D022631	1
18		0M1G1740 10120	SCREW 42A9940008	4
19		N33G0064 ZK 1A FJ	COVER HINGE 40-D022541	1
20		N34G0134 ZK 1A FJ	BASE 40-D022629	1

11. Recommended Spare Parts List

T67MRHDD2WV3N2

Location	Part No.	Description	Remark
	750GLM56KB112C000Q	PANEL A156B1 VSC CMO/SF6B101D01	
	095G8014 6DN00	WIRE HARNESS 6P(PH)-6P(1253HA HR)	
	089G414A18N IS	POWER CORD 32E1818021	
	050G 600 1 W	WHITE STRAP	
	N52G 1VSC002 HY	Security Tape- 7345511002	
	N44G6002968 1A	CARTON FOR China- 78-D022602	
	N44G6002VSC 1B	Shipping Draw- 79-D022542	
	N44G9003185	CORNER PAPER 7841595111/78-D004862	
	N44G9003 90	CORNER PAPER 7841795141	
	N44G9003 80	CORNER PAPER 78-D004868	
	N40G 16N968 3A	Safety label- 77-D021431	
	N40G000196855A	CARTON LABEL	
	N40G000296825A	HG Warning label- 77-D023227	
	N40G0001968 2A	S/N LABEL 7741513161	
	N33G0064 ZK 1A FJ	COVER HINGE 40-D022541	
	N23G3155709 1A	VIEWSONIC NAME PLATE 77-D000224	
	705GN734163 FJ	SEAT ASSY 40-D022543	
	705GN834361 FJ	REAR COVER ASSY	
	705GN734161 FJ	STAND ASSY 40-D022540	
	Q15G0368101	MAIN FRAME	
	0M1G1740 8120	SCREW FOR STD/MF 42-D020715/42-D000649	
	0M1G 330 4120	SCREW 42A9930008	
	002G6008 2	SCREW 42-D015647	
	0Q1G 330 8120	SCREW 3X8mm 42A9930017/ 42-D002093	
	0M1G1740 10120	SCREW 42A9940008	
	N45G 88607009 HQ	PE BAG FOR MONITOR 78-D023174	
	N44G6002 1 MZ	CUSHION-L 78-D022605	
	N44G6002 2 MZ	CUSHION-R 78-D022594	
	N45G 52001	PE SHEET	
	P45G 77001	enlace film	
	N52G6034 17001 HB	MYLAR	
	N52G 1VSC006	Conductive Tape 60mm *24mm *0.06mm	
	N52G 1211001	Conductive Tape 155mm *15mm *0.06mm	
	N52G 2191 01	TAPE /7345911004	
	N52G6020003	PANEL PROTECTOR FILM 73-D021802	
	N40G000196840A	S/N LABEL- 77-D022604	

	089G414A18N YH	POWER CORD(32E1818021)	
	N44G6000 1 1A	EMPTY CARTON FOR LOADING	
	N07G0011 1 HW	pallet- 78-D024987	
	EDIDVSC16A001	CHECKSUM 0x00	
	PWPC8621MQDD	POWER G2852-1-X-X-9-080218	
	CBPC8M5VSQ1	CONVERSION G2904-D-2-VSC-1-080124	
	KEPC8QS5	KEY BOARD	
	N52G 1211001 HB	Conductive Tape 155mm *15mm *0.06mm	
	N23G3178712 1A	VSC-BIRD-LOGO 77-D020778	
	705GN834415 FJ	BEZEL ASS'Y 40-D022539	
	N52G 1VSC006 HB	Conductive Tape 60mm *24mm *0.06mm	
	N52G 1185005 SW	Vinegar ache rubberized fabric 19(MM)*30(M)	
	N52G 1211002 HB	Conductive Tape 90mm *24mm *0.06mm	
	N52G 1211022 HB	Conductive Tape 290mm*15mm*0.06mm	
	N85G 583503	Gasket 15mm*10mm*3mm	
	095G8018B3D516	LVDS CABLE	
	089G 728HAA DB	D-SUB CABLE	
	089G 728GAA DB	D-SUB CABLE	
	BIOS16M01201	TSUM16AWR-V101B-080814,CHECKSUM D787	
	N34G0134 ZK 1A FJ	BASE 40-D022629	
	0M1G 130 8120	SCREW 42A9930022	
	N15G0030 1 FH	Seat Plate 41-D022648	
	N12G6300002 SX	RUBBER 40A1769201	
	N34G0125 ZK 2A FJ	REARCOVER	
	N15G0032 1	PLATE_LOCK 40A1599954	
	N12G6300003 SX	RUBBER_CAP 40-D000227	
	N15G0029 1 FH	SURPPORT PLATE 41-D022649	
	N37G0023 1 FJ	HINGE 41-D022650	
	N34G0131 ZK 1A FJ	STADN FRONT 40-D022630	
	N34G0132 ZK 1A FJ	STAND REAR 40-D022631	
	NQ1G 330 10120	SCREW FOR REAR 42A9930015	
	N33G0059 ZK 1A FJ	Wire Mount 40-D022628	
	N19G0001 1 FJ	spring_mpr2	
	N34G0130 ZK 1A FJ	BEZEL 40-D022627	
	N33G0057NA7 1P	LENS 40-D022651	
	N33G0058 ZP 1A	KEY PAD 40-D022625	
	N34G0133 ZP 1A FJ	DECORATION 40-D022626	
	040G 45762412B	CBPC LABEL	
CN401	033G3802 6	WAFER	

CN404	033G3802 9	WAFER 9P RIGHT ANELE PITCH	
CN403	033G8027 14 H	WAFER 14P 2.0MM DIP	
C427	067G 3151014KV	EC 105°C CAP 100uF M 25V	
C426	067G 3151014KV	EC 105°C CAP 100uF M 25V	
C423	067G 3151014KV	EC 105°C CAP 100uF M 25V	
C421	067G 3151014KV	EC 105°C CAP 100uF M 25V	
C410	067G215V100 7R	LOW E.S.R 10uF M 50V	
CN101	088G 35315F H	D-SUB 15PIN	
X401	093G 22 53 J	14.31818MHZ/32PF/49US	
	SMTC7MM5VSQ1	MAIN BOARD FOR SMT	
U401	056G 562557	IC TSUM1PFR-LF	
U404	056G 563 52	IC AP1117D33L-13 TO252-3L DIODES	
U102	056G 662 13	IC AZC099-04S SOT23-6L	
U103	056G 662 13	IC AZC099-04S SOT23-6L	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
Q404	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q408	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q406	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q409	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
Q410	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
Q405	057G 763 1	A03401 SOT23 BY AOS(A1)	
R457	061G0402000	RST CHIP MAX 0R05 1/16W	
R456	061G0402000	RST CHIP MAX 0R05 1/16W	
R402	061G0402000	RST CHIP MAX 0R05 1/16W	
R401	061G0402000	RST CHIP MAX 0R05 1/16W	
R442	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R426	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R420	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R419	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R418	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R413	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R412	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R411	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R405	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R102	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R103	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R104	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R108	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R110	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	

R111	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R113	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R114	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R115	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R441	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R118	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R447	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R439	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R437	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R433	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R421	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R417	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R408	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R407	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R406	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R404	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R121	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R120	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R436	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R410	061G0402121	RST CHIP 120R 1/16W 5%	
R414	061G0402121	RST CHIP 120R 1/16W 5%	
R409	061G0402203	RST CHIP 20K 1/16W 5%	
R106	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R105	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R109	061G0402390 0F	RST CHIP 390R 1/16W 1%	
R403	061G0402390 0F	RST CHIP 390R 1/16W 1%	
R427	061G0402392	RST CHIP 3.9K 1/16W 5%	
R428	061G0402392	RST CHIP 3.9K 1/16W 5%	
R435	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R440	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R448	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R116	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R112	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R101	061G0603000	RST CHIP MAX 0R05 1/10W	
R434	061G1206331	RST CHIPR 330 OHM +-5% 1/4W	
C432	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C428	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C422	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C420	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	

C419	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C417	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C416	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C415	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C401	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C403	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C404	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C406	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C407	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C409	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C413	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C414	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C412	065G0402220 31	CHIP 22PF 50V NPO	
C411	065G0402220 31	CHIP 22PF 50V NPO	
C103	065G0402220 31	CHIP 22PF 50V NPO	
C102	065G0402220 31	CHIP 22PF 50V NPO	
C408	065G0402224 17	CAP CER 0.22UF -20%-80%	
C113	065G0402473 12	CHIP 0.047uF 16V X7R	
C110	065G0402473 12	CHIP 0.047uF 16V X7R	
C109	065G0402473 12	CHIP 0.047uF 16V X7R	
C107	065G0402473 12	CHIP 0.047uF 16V X7R	
C106	065G0402473 12	CHIP 0.047uF 16V X7R	
C105	065G0402473 12	CHIP 0.047uF 16V X7R	
C101	065G0402473 12	CHIP 0.047uF 16V X7R	
C104	065G0402509 31	CHIP 5pF 50V NPO	
C108	065G0402509 31	CHIP 5pF 50V NPO	
C111	065G0402509 31	CHIP 5pF 50V NPO	
FB402	071G 56K121 M	CHIP BEAD	
FB401	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 bullwill	
FB101	071G 59K190 B	19 OHM BEAD	
FB102	071G 59K190 B	19 OHM BEAD	
FB103	071G 59K190 B	19 OHM BEAD	
D401	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
ZD103	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD104	093G 39S 34 T	UDZSNP5.6B ROHM	
D402	093G3004 3	SM340A	
	715G2904 1 2	MAIN PCB FR-4 57x64x1.6mm DS	
	SMTKEPC8QV2	KEY BOARD FOR SMT	
CN001	033G8032 6F HR	CONNECTOR	
R003	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W	

R004	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W	
R001	061G0603300 1F	RST CHIPR 3 KOHM +-1% 1/10W	
R002	061G0603300 1F	RST CHIPR 3 KOHM +-1% 1/10W	
SW005	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW004	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW003	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW002	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW001	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
LED001	081G 630 1 GP	LED GPTS0603OC3-PB	
LED002	081G0603 B GP	LED GPTS06033BC1 GP	
	715G3270 1	KEY PCB FR-4 77.5x11.8x1.0mm	

T67MRHDD2WVSNN

Location	Part No.	Description	Remark
	750GLM56KB112C000Q	PANEL A156B1 VSC CMO/SF6B101D01	
	089G 728HAA DB	D-SUB CABLE	
	089G 728GAA DB	D-SUB CABLE	
	089G414A18N IS	POWER CORD 32E1818021	
	050G 600 1 W	WHITE STRAP	
	N52G 1VSC002 HY	Security Tape- 7345511002	
	N44G6002968 1A	CARTON FOR China- 78-D022602	
	N44G6002VSC 1B	Shipping Draw- 79-D022542	
	N44G9003185	CORNER PAPER 7841595111/78-D004862	
	N44G9003 90	CORNER PAPER 7841795141	
	N44G9003 80	CORNER PAPER 78-D004868	
	N40G 16N968 3A	Safety label- 77-D021431	
	N40G000196855A	CARTON LABEL	
	N40G000296825A	HG Warning label- 77-D023227	
	N40G0001968 2A	S/N LABEL 7741513161	
	N33G0064 ZK 1A FJ	COVER HINGE 40-D022541	
	705GN834415 FJ	BEZEL ASS'Y 40-D022539	
	N34G0134 ZK 1A FJ	BASE 40-D022629	
	N37G0023 1 CX	HINGE 41-D022650	
	N34G0125 ZK 2A FJ	REARCOVER	
	Q15G0368101	MAIN FRAME	
	0M1G 330 4120	SCREW 42A9930008	
	002G6008 2	SCREW 42-D015647	
	0Q1G 330 8120	SCREW 3X8mm 42A9930017/ 42-D002093	
	0M1G1740 10120	SCREW 42A9940008	
	N45G 88607009 HQ	PE BAG FOR MONITOR 78-D023174	

	N44G6002	1	MZ	CUSHION-L 78-D022605	
	N44G6002	2	MZ	CUSHION-R 78-D022594	
	N45G	52001		PE SHEET	
	P45G	77001		enlace film	
	N52G6034	17001	HB	MYLAR	
	N52G	1VSC006		Conductive Tape 60mm *24mm *0.06mm	
	N52G	1211001		Conductive Tape 155mm *15mm *0.06mm	
	N52G	2191 01		TAPE /7345911004	
	N52G6020003			PANEL PROTECTOR FILM 73-D021802	
	N40G000196870A			S/N LABEL FOR VA1616W	
	089G414A18N	YH		POWER CORD(32E1818021)	
	N44G6000	1 1A		EMPTY CARTON FOR LOADING	
	N07G0011	1	HW	pallet- 78-D024987	
	PWPC8621MQDD			POWER G2852-1-X-X-9-080218	
	N52G	1211001	HB	Conductive Tape 155mm *15mm *0.06mm	
	EDIDVSC16A003			CHECKSUM 0X9E	
	CBPC8M5VSQ1			CONVERSION G2904-D-2-VSC-1-080124	
	KEPC8QS5			KEY BOARD	
	095G8014	6DN00		WIRE HARNESS 6P(PH)-6P(1253HA HR)	
	095G8018B3D516			LVDS CABLE	
	N41G6002968	5A		MANUAL	
	N41G780P968	1A		WARRANTY CARD- 78-D021250	
	F40G	16N968 5A		SAFETY LABEL	
	N40G000296838A			Energy Star Label	
	N40G000296810A			LABEL HI-POT-PASS 77-D005237	
	F40G000296821A	ZA		Supplier label	
	N40G000296811C	ZA		Customer label on Carton	
	N40G000296813B	ZA		QC PASS LABEL	
	N23G3155709	1A		VIEWSONIC NAME PLATE 77-D000224	
	N23G3178712	1A		VSC-BIRD-LOGO 77-D020778	
	N15G0030	1	FH	Seat Plate 41-D022648	
	N12G6300002		SX	RUBBER 40A1769201	
	N15G0032	1		PLATE_LOCK 40A1599954	
	N12G6300003		SX	RUBBER_CAP 40-D000227	
	N15G0029	1	FH	SURPPORT PLATE 41-D022649	
	N34G0131	ZK 1A	FJ	STADN FRONT 40-D022630	
	N34G0132	ZK 1A	FJ	STAND REAR 40-D022631	
	NQ1G	330 10120		SCREW FOR REAR 42A9930015	
	N33G0059	ZK 1A	FJ	Wire Mount 40-D022628	
	N19G0001	1	FJ	spring_mpr2	

	N52G 1VSC006 HB	Conductive Tape 60mm *24mm *0.06mm	
	N52G 1185005 SW	Vinegar ache rubberized fabric 19(MM)*30(M)	
	N52G 1211002 HB	Conductive Tape 90mm *24mm *0.06mm	
	N52G 1211022 HB	Conductive Tape 290mm*15mm*0.06mm	
	0M1G1730 6120	SCREW,42-D020523	
	0Q1G 130 8120	SCREW 42A9930011	
	N85G 583503	Gasket 15mm*10mm*3mm	
	N52G6033 17001 HB	MYLAR	
	BIOS16M01201	TSUM16AWR-V101B-080814,CHECKSUM D787	
	N34G0130 ZK 1A FJ	BEZEL 40-D022627	
	N33G0057NA7 1P	LENS 40-D022651	
	N33G0058 ZP 1A	KEY PAD 40-D022625	
	N34G0133 ZP 1A FJ	DECORATION 40-D022626	
	040G 45762412B	CBPC LABEL	
CN401	033G3802 6	WAFER	
CN404	033G3802 9	WAFER 9P RIGHT ANELE PITCH	
CN403	033G8027 14 H	WAFER 14P 2.0MM DIP	
C427	067G 3151014KV	EC 105℃ CAP 100uF M 25V	
C426	067G 3151014KV	EC 105℃ CAP 100uF M 25V	
C423	067G 3151014KV	EC 105℃ CAP 100uF M 25V	
C421	067G 3151014KV	EC 105℃ CAP 100uF M 25V	
C410	067G215V100 7R	LOW E.S.R 10uF M 50V	
CN101	088G 35315F H	D-SUB 15PIN	
X401	093G 22 53 J	14.31818MHZ/32PF/49US	
	SMTC7MM5VSQ1	MAIN BOARD FOR SMT	
U401	056G 562557	IC TSUM1PFR-LF	
U404	056G 563 52	IC AP1117D33L-13 TO252-3L DIODES	
U102	056G 662 13	IC AZC099-04S SOT23-6L	
U103	056G 662 13	IC AZC099-04S SOT23-6L	
U402	056G1133 81	SST25LF020A-33-4C-SAE	
Q404	057G 417 6	PMBS3906/PHILIPS-SMT(06)	
Q408	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q406	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q409	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
Q410	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
Q405	057G 763 1	A03401 SOT23 BY AOS(A1)	
R457	061G0402000	RST CHIP MAX 0R05 1/16W	
R456	061G0402000	RST CHIP MAX 0R05 1/16W	
R402	061G0402000	RST CHIP MAX 0R05 1/16W	

R401	061G0402000	RST CHIP MAX 0R05 1/16W	
R442	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R426	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R420	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R419	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R418	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R413	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R412	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R411	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R405	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R102	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R103	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R104	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R108	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R110	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R111	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R113	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R114	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R115	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R441	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R118	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R447	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R439	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R437	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R433	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R421	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R417	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R408	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R407	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R406	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R404	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R121	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R120	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R436	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W	
R410	061G0402121	RST CHIP 120R 1/16W 5%	
R414	061G0402121	RST CHIP 120R 1/16W 5%	
R409	061G0402203	RST CHIP 20K 1/16W 5%	
R106	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R105	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	

R109	061G0402390 0F	RST CHIP 390R 1/16W 1%	
R403	061G0402390 0F	RST CHIP 390R 1/16W 1%	
R427	061G0402392	RST CHIP 3.9K 1/16W 5%	
R428	061G0402392	RST CHIP 3.9K 1/16W 5%	
R435	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R440	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R448	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R116	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R112	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R101	061G0603000	RST CHIP MAX 0R05 1/10W	
R434	061G1206331	RST CHIPR 330 OHM +-5% 1/4W	
C432	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C428	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C422	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C420	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C419	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C417	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C416	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C415	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C401	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C403	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C404	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C406	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C407	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C409	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C413	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C414	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C412	065G0402220 31	CHIP 22PF 50V NPO	
C411	065G0402220 31	CHIP 22PF 50V NPO	
C103	065G0402220 31	CHIP 22PF 50V NPO	
C102	065G0402220 31	CHIP 22PF 50V NPO	
C408	065G0402224 17	CAP CER 0.22UF -20%-80%	
C113	065G0402473 12	CHIP 0.047uF 16V X7R	
C110	065G0402473 12	CHIP 0.047uF 16V X7R	
C109	065G0402473 12	CHIP 0.047uF 16V X7R	
C107	065G0402473 12	CHIP 0.047uF 16V X7R	
C106	065G0402473 12	CHIP 0.047uF 16V X7R	
C105	065G0402473 12	CHIP 0.047uF 16V X7R	
C101	065G0402473 12	CHIP 0.047uF 16V X7R	

C104	065G0402509 31	CHIP 5pF 50V NPO	
C108	065G0402509 31	CHIP 5pF 50V NPO	
C111	065G0402509 31	CHIP 5pF 50V NPO	
FB402	071G 56K121 M	CHIP BEAD	
FB401	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 bullwill	
FB101	071G 59K190 B	19 OHM BEAD	
FB102	071G 59K190 B	19 OHM BEAD	
FB103	071G 59K190 B	19 OHM BEAD	
D401	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
ZD103	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD104	093G 39S 34 T	UDZSNP5.6B ROHM	
D402	093G3004 3	SM340A	
	715G2904 1 2	MAIN PCB FR-4 57x64x1.6mm DS	
	SMTKEPC8QV2	KEY BOARD FOR SMT	
CN001	033G8032 6F HR	CONNECTOR	
R003	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W	
R004	061G0603200 1F	RST CHIPR 2 KOHM +-1% 1/10W	
R001	061G0603300 1F	RST CHIPR 3 KOHM +-1% 1/10W	
R002	061G0603300 1F	RST CHIPR 3 KOHM +-1% 1/10W	
SW005	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW004	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW003	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW002	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
SW001	077G 604 2 TO	TACT 5W BY TOUKE TS-9-TMG-553	
LED001	081G 63O 1 GP	LED GPTS0603OC3-PB	
LED002	081G0603 B GP	LED GPTS06033BC1 GP	
	715G3270 1	KEY PCB FR-4 77.5x11.8x1.0mm	

12. Different Parts List

Diversity of T67MRHDD2WVSNN2 compared with T67MRHDD2WV3N2			
Location	Part No.	Description	Remark
	N37G0023 1 CX	HINGE 41-D022650	
	N40G000196870A	S/N LABEL FOR VA1616W	
	EDIDVSC16A003	CHECKSUM 0X9E	
	N41G6002968 5A	MANUAL	
	N41G780P968 1A	WARRANTY CARD- 78-D021250	
	F40G 16N968 5A	SAFETY LABEL	
	N40G000296838A	Energy Star Label	
	N40G000296810A	LABEL HI-POT-PASS 77-D005237	
	F40G000296821A ZA	Supplier label	
	N40G000296811C ZA	Customer label on Carton	
	N40G000296813B ZA	QC PASS LABEL	
	0M1G1730 6120	SCREW,42-D020523	
	0Q1G 130 8120	SCREW 42A9930011	
	N52G6033 17001 HB	MYLAR	

* *Reader's Response* *

Dear Readers:

Thank you in advance for your feedback on our Service Manual, which allows continuous improvement of our products. We would appreciate your completion of the Assessment Matrix below, for return to ViewSonic Corporation.

Assessment

A. What do you think about the content of this Service Manual?

<i>Unit</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
1. Precautions and Safety Notices				
2. Specification				
3. Front Panel Function Control Description				
4. Circuit Description				
5. Adjustment Procedure				
6. Troubleshooting Flow Chart				
7. Block Diagrams				
8. Schematic Diagrams				
9. PCB Layout Diagrams				
10. Exploded Diagram and Exploded Parts List				
11. Recommended Spare Parts List				

B. Are you satisfied with this Service Manual?

<i>Item</i>	<i>Excellent</i>	<i>Good</i>	<i>Fair</i>	<i>Bad</i>
1. Service Manual Content				
2. Service Manual Layout				
3. The form and listing				

C. Do you have any other opinions or suggestions regarding this service manual?

Reader's basic data:

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Company:			
Add:			
Tel:		Fax:	
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After completing this form, please return it to ViewSonic Quality Assurance in the USA at facsimile 1-909-839-7943. You may also e-mail any suggestions to the Director, Quality Systems & Processes (marc.maupin@viewsonic.com)